Birth and Death Statistics by Health Units of Alberta 1986

Alberta
COMMUNITY AND
OCCUPATIONAL HEALTH

BIRTH AND DEATH STATISTICS

BY HEALTH UNITS OF ALBERTA

1986

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GENERAL FRAMEWORK

This is the fourth annual report dealing with natality and mortality patterns in Alberta, observed at the health unit level. This volume contains birth, infant mortality and death statistics and related indices for the year 1986 for Alberta, disaggregated by the 27 Health Units, to the extent that this is possible from Vital Statistics data. All the birth and death statistics used in the preparation of this report originated with Alberta Vital Statistics. It is hoped this information will prove useful to those involved in planning at both the health unit and provincial levels. The report is divided into four chapters, dealing with births, stillbirth and infant mortality, deaths in the male population, and deaths in the female population, respectively.

By considering births and deaths on a health unit basis, this report acknowledges the differences that exist from one area of the province to another. It is not always possible to offer an explanation as to why such variation exists, and no attempt has been made in this volume to provide one. Any explanation would need to be based on a comprehensive understanding of the various demographic and socio-economic characteristics of the health units and this knowledge is most readily available at the community level.

In data format this report closely resembles the third report published in July 1987[1]. The emphasis is on natality and mortality of individual health units as observed in 1986. The point of view has been adopted that the situation for Alberta is mainly relevant insofar as it provides a convenient standard for gauging patterns in this province. To that end, all age-standardized rates in the report have been standardized on the Alberta population in 1986.

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1 Birth and Death Statistics by Health Units of Alberta - 1985, Management Support Services, Edmonton: Alberta Community and Occupational Health.

As each new demographic indicator is introduced it is accompanied by the corresponding background material or mathematical formula. Appendices A and B give the details of the demographic method used.

CHAPTER CONTENTS

Each chapter begins with a description of the relevant population according to age group, and follows with a series of tables and figures dealing with either births or deaths. The latter are organized according to a definite format. Within each chapter, pages are numbered consecutively. Tables and figures will be identified by referring to the corresponding page number.

BIRTH AND DEATH STATISTICS

A proper interpretation of the tables and figures in the pages that follow requires an understanding of some of the features of the Alberta Vital Statistics registration and reporting system. As each birth or death is registered, Alberta Vital Statistics assigns the vital event to a health unit on the basis of the registrant's place of usual residence, provided, of course, that the individual involved is an Albertan. This may or may not be the health unit where the vital event took place.

Alberta Vital Statistics also registers births and deaths involving residents of other provinces and countries, but these will not be considered here. By the same token, if a resident of Alberta gives birth or dies while outside this province, the registration will not be known to Alberta Vital Statistics. This

results in a small degree of undercounting of vital events involving Albertans; however this shortfall is not large [approximately 494 births (1%) and 236 deaths (2%) in 1985].[2]

An exception to the above method of reporting has to do with residents of certain Indian reservations. Because of a special arrangement between the neighbouring health units and Alberta Vital Statistics, births and deaths involving residents of these reservations are not assigned to the health unit in question, but rather given their own identifier.[3, 4] This makes it impossible to assign these vital events to a health unit without going back to the original registrations. Consequently these statistics have been excluded from the present report. However, data from Alberta Vital Statistics indicate that the resulting undercounting is small. Averaging for three years from 1984 to 1986 indicates that there are 352 births (1%) and 151 deaths (1%) belonging to this category.

Alberta Vital Statistics publishes an Annual Report containing, along with other information, birth and death statistics. In theory, the entries in the 1986 report should coincide exactly with those given here. However, certain discrepancies can be found. For example, Alberta Vital Statistics sets the total number of deaths (Alberta residents only) at 13,324 which is to be compared to 12,297 computed from Tables 3.3 and 4.3 in this report. This difference is partially due to the fact that in this report only those cases with specific Health Unit codes are included. Other similar discrepancies may occur because the Alberta Vital Statistics system is a dynamic one, with registrations being updated, late registrations being filed and similar data modifications made continuously. These differences are not important for the computation of health indices. More specifically, the Health Unit related rates provided in this report are unlikely to change.

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2 Statistics Canada: Births and Deaths, Vital Statistics - Volume 1, 1985 Catalogue 84 - 204 Annual.

3 Division Support Branch, Alberta Social Services and Community Health, 1983. A Study of the Methods of Reporting Vital Statistics and Communicable Diseases by Local Health Authority (unpublished document).

4 Birth and Death Statistics by Health Units of Alberta, 1983.

POPULATION ESTIMATES

A large part of this report is concerned with birth and death rates. To compute these it is necessary to have estimates of population size. In order to have a uniform method applicable to all health units, it was decided to estimate all 1986 health unit populations by projecting the health unit enumerations from the national census of 1981. The details of the method of projection are given in Appendix A. In certain health units, though, up-to-date enumerations are available as they have been included in a municipal census.

There will be differences between these two types of population estimates and the user should utilize whichever is more appropriate to their needs.

SMALL AREA STATISTICS

The preceding sections dealt with some of the characteristics of the statistics that have been used in this report. A related consideration has to do with the problem of small area statistics.[5, 6] This refers to the difficulties inherent in the analysis of statistics arising out of relatively sparsely populated areas. Because of the small numbers involved, indices computed from such statistics tend to be subject to random fluctuation. In the context of the present report, differences that appear to exist between one health unit and the next may be partly due to chance variation.

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5 Ibid.

6 Diehr, R. 1984. Small Area Statistics: Large Statistical Problems. American Journal of Public Health 70:313-314.

Chapter 1

LIVE BIRTHS
1986

DESCRIPTION OF TABLES

Table 1.1 gives population estimates for females in the reproductive years (10-49) by five-year age groups, computed using the method described in Appendix A. Note that in this table the far right column gives the total number of females in each health unit and that the bottom row gives the provincial total for each age group.

Table 1.2 is derived directly from Table 1.1, and gives the percent of the population in each health unit falling in each of the age groups in the range 10-49. Due to rounding the row totals may not sum to 100.

Table 1.3 gives the number of live births by age group and health unit. Once again the totals for the health units and Alberta are provided.

Table 1.4 gives the age-specific live birth rates (per 1,000 females). These rates, sometimes called fertility rates, are defined by:

$$\frac{\text{number of live births to women in age group}}{\text{number of women in age group}} \times 1{,}000$$

Although not shown, it is possible to assign confidence intervals to each of the rates in this table along the lines of Table 1.5. The method of computation is described in Appendix B. Because of the small numbers involved in some of the health units, the age-specific rates in this table would be expected to have rather wide confidence intervals. For this reason Table 1.4 should be interpreted with caution, especially when health units are being compared.

Table 1.5 has a number of indices related to the age-standardized live birth rates for the year 1986. The technique of age-standardization is discussed in Appendix B. In the present case, rates have been

standardized to the 1986 Alberta female population, ages 10-49. This means that each of the age-standardized rates appearing in the first column of the table (where they are referred to simply as rates) is the live birth rate that would have been observed in each health unit in 1986 if the age distribution of women in the reproductive years in the health unit had been precisely the same as that observed in Alberta as a whole in the year 1986. This adjustment for differing age distributions (see Table 1.2) corrects for a potential source of artifactual error.

Associated with each of the (age-standardized) rates is a 95% confidence interval, with lower and upper limits shown in columns two and three. For details of the method of computation see Appendix B. These numbers bound the observed rate from below and above, respectively, and thereby give a range of numbers which include the true underlying rate with a 95% confidence level. The observed rate is simply one manifestation of the true underlying rate, which cannot be known with 100% confidence because of random variation. This means that the true underlying rate could be as small as the lower bound or as large as the upper bound. Typically the larger the population in question the narrower will be the confidence interval. Because they indicate the reliability of the observed rate, the lower and upper confidence limits should always be considered along with the rate.

In the fourth column the rates (excluding that for Alberta) have been ranked from 1 to 27, with 1 for the largest rate and 27 for the smallest.

The fifth column gives ratios, computed by dividing the rate for each health unit by the Alberta rate. This gives a measure of the relative magnitude of the rate for each health unit compared to Alberta as a whole. The ranks and ratios are simply different ways of looking at the rates in column one.

The final column records the results of statistical testing for a difference between the rate for each of the health units and the rate for Alberta. The principles involved are described in Appendix B. If the health unit rate was found to be larger than that for Alberta, and statistically significantly so, then a 'Yes' was

entered next to that health unit. If the health unit rate was observed to be less than the Alberta rate, or larger but not statistically significantly larger, then a dot was entered. Another approach to statistical testing would have involved looking for significant departures of the health unit rates from the Alberta rate whether higher or lower, and not just higher as in this report. However, this would have meant using a test with less sensitivity to detect higher than average health unit rates. Since these are the departures which tend to be of most interest (especially in the case of death rates) the present approach was adopted.

It must be reiterated that statistical significance is purely a property of numbers; as a concept it has no biological, demographic or social content. Consequently, even if two rates are determined to be different in a formal statistical sense, it is another matter as to whether or not they are different in a biological (or other) sense. This is a judgement to be made by the informed reader; it is outside the realm of statistical testing.

Figure 1.6 is a map of the health units with the ranks from Table 1.5 inscribed. This provides a convenient method of searching for clusters of low or high ranks.

Tables 1.7 - 1.9 give the number of live births by order, where "first order" means the first live birth for the woman and similarly for higher orders of births.

Tables 1.10 - 1.11 give a breakdown of live births by weight category.

Tables 1.12 - 1.14 and Figure 1.15 are similar in layout (and interpretation) to Tables 1.3 - 1.5 and Figure 1.6, except that here attention is restricted to live births to women who were single (that is, not legally married) at the time of birth.

Table 1.16 is computed directly from Table 1.12 and gives the percent of the live births occurring in each age group. Due to rounding errors row totals may not equal 100.

Table 1.17 - 1.18 and Figure 1.19 are, once again, formatted along the lines of Tables 1.3 - 1.5 and Figure 1.6, except that a single age group, the 15 - 19 year olds, is considered in detail. Consequently the age-specific and age-standardized rates coincide.

Table 1.20 - 1.21 and Figure 1.22 consider live births and birth rates to single teenage mothers.

NUMBER IN POPULATION, 1986

FEMALES IN CHILDBEARING AGE GROUPS (10 - 49)

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	2113	2227	1813	2236	2117	2052	1547	1329	15434
ALBERTA WEST CENTRAL	1690	1633	1707	2039	1888	1520	1204	851	12532
ATHABASCA	1434	1307	1005	1194	1176	1029	792	654	8591
BANFF NATIONAL PARK	53	185	505	361	277	136	119	93	1729
BARONS-EUREKA-WARNER	1767	1638	1303	1684	1598	1479	1136	939	11544
BIG COUNTRY	505	490	426	490	495	416	337	297	3456
CALGARY	19937	22972	34307	38008	32913	26325	18955	15219	208636
CHINOOK	1810	1651	1470	1690	1665	1431	1117	967	11801
DRUMHELLER	1381	1234	1075	1482	1423	1247	892	785	9519
EDMONTON	16751	21833	32969	33406	25687	21172	16753	14060	182631
FOOTHILLS	1285	1186	1084	1459	1586	1493	948	785	9826
FORT MCMURRAY	1487	1298	1922	2400	2051	1479	824	478	11939
HIGH LEVEL-FORT VERMILION	693	524	522	496	422	395	281	203	3536
JASPER NATIONAL PARK	87	150	259	231	151	109	112	93	1192
LEDUC-STRATHCONA	4823	3744	3033	5183	6628	5671	3432	2290	34804
LETHBRIDGE	1853	2261	2642	2822	2497	2086	1647	1384	17192
MEDICINE HAT	2782	2970	3318	3791	3287	2849	2071	1686	22754
MINBURN-VERMILION	1401	1457	1413	1634	1502	1295	936	884	10522
MOUNT VIEW	2397	2175	2309	3419	3215	2713	1922	1560	19710
NORTH EASTERN ALBERTA	2065	1956	1593	1814	1888	1738	1316	994	13364
PEACE RIVER	1810	1810	1505	1882	1641	1547	1185	978	12358
RED DEER	4096	4600	5363	5938	5078	4308	3351	2488	35222
SOUTH PEACE	2354	2373	2769	3290	2654	2202	1641	1225	18508
STONY PLAIN-LAC STE. ANNE	2691	2326	2309	3510	3571	2965	1884	1274	20530
STURGEON	4067	3469	2967	4664	5302	4533	3020	2158	30180
VEGREVILLE	1179	1014	750	1149	1236	1029	867	758	7982
WETOKA	1588	1517	1361	1729	1653	1479	1111	967	11405
ALBERTA	84099	90000	111699	128001	113601	94698	69400	55399	746897

AGE DISTRIBUTIONS (IN %) 1986

FEMALES IN CHILD BEARING AGE GROUPS (10-49)

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Alberta East Central	14	14	12	14	14	13	10	9
Alberta West Central	13	13	14	16	15	12	10	7
Athabasca	17	15	12	14	14	12	9	8
Banff National Park	3	11	29	21	16	8	7	5
Barons-Eureka-Warner	15	14	11	15	14	13	10	8
Big Country	15	14	12	14	14	12	10	9
Calgary	10	11	16	18	16	13	9	7
Chinook	15	14	12	14	14	12	9	8
Drumheller	15	13	11	16	15	13	9	8
Edmonton	9	12	18	18	14	12	9	8
Foothills	13	12	11	15	16	15	10	8
Fort McMurray	12	11	16	20	17	12	7	4
High Level-Fort Vermilion	20	15	15	14	12	11	8	6
Jasper National Park	7	13	22	19	13	9	9	8
Leduc-Strathcona	14	11	9	15	19	16	10	7
Lethbridge	11	13	15	16	15	12	10	8
Medicine Hat	12	13	15	17	14	13	9	7
Minburn-Vermilion	13	14	13	16	14	12	9	8
Mount View	12	11	12	17	16	14	10	8
North Eastern Alberta	15	15	12	14	14	13	10	7
Peace River	15	15	12	15	13	13	10	8
Red Deer	12	13	15	17	14	12	10	7
South Peace/Grande Prairie	13	13	15	18	14	12	9	7
Stony Plain-Lac Ste. Anne	13	11	11	17	17	14	9	6
Sturgeon	13	11	10	15	18	15	10	7
Vegreville	15	13	9	14	15	13	11	9
Wetoka	14	13	12	15	14	13	10	8
Alberta	11	12	15	17	15	13	9	7

Note: In all the tables "H Unit" refers to health units of Alberta.

NUMBER OF LIVE BIRTHS, 1986

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	50	254	293	121	24	4	0	746
ALBERTA WEST CENTRAL	0	71	251	266	102	19	5	0	714
ATHABASCA	4	109	229	220	89	28	4	0	683
BANFF NATIONAL PARK	0	2	16	29	18	4	0	0	69
BARONS-EUREKA-WARNER	0	40	195	265	129	43	5	0	677
BIG COUNTRY	0	15	61	71	38	7	0	0	192
CALGARY	1	547	2341	4402	2836	691	62	6	10886
CHINOOK	1	71	226	246	123	30	3	0	700
DRUMHELLER	0	47	152	215	108	25	3	0	550
EDMONTON	6	719	2659	3936	2362	598	51	0	10331
FOOTHILLS	0	22	128	208	130	23	4	0	515
FORT MCMURRAY	3	60	228	299	130	26	1	0	747
HIGH LEVEL-FORT VERMILION	1	63	140	132	53	28	6	0	423
JASPER NATIONAL PARK	0	0	6	26	18	1	0	0	51
LEDUC-STRATHCONA	0	78	331	620	378	88	6	1	1502
LETHBRIDGE	0	77	239	360	184	33	4	0	897
MEDICINE HAT	0	89	357	465	215	42	3	0	1171
MINBURN-VERMILION	0	31	129	144	60	18	2	0	384
MOUNT VIEW	0	36	198	433	286	64	4	1	1022
NORTH EASTERN ALBERTA	3	103	307	336	155	32	1	0	937
PEACE RIVER	1	106	277	259	109	25	4	0	781
RED DEER	0	173	700	869	374	68	7	0	2191
SOUTH PEACE	2	98	353	420	179	31	3	0	1086
STONY PLAIN-LAC STE. ANNE	0	81	321	429	220	49	4	1	1105
STURGEON	0	88	334	572	336	76	5	0	1411
VEGREVILLE	1	21	94	159	100	14	0	0	389
WETOKA	0	55	189	239	118	25	2	0	628
ALBERTA	23	2852	10715	15913	8971	2112	193	9	40788

AGE-SPECIFIC LIVE BIRTH RATES (PER 1,000 FEMALES), 1986

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
ALBERTA EAST CENTRAL	0.0	22.5	140.1	131.0	57.2	11.7	2.6	0.0
ALBERTA WEST CENTRAL	0.0	43.5	147.0	130.5	54.0	12.5	4.2	0.0
ATHABASCA	2.8	83.4	227.9	184.3	75.7	27.2	5.1	0.0
BANFF NATIONAL PARK	0.0	10.8	31.7	80.3	65.0	29.4	0.0	0.0
BARONS-EUREKA-WARNER	0.0	24.4	149.7	157.4	80.7	29.1	4.4	0.0
BIG COUNTRY	0.0	30.6	143.2	144.9	76.8	16.8	0.0	0.0
CALGARY	0.1	23.8	68.2	115.8	86.2	26.2	3.3	0.4
CHINOOK	0.6	43.0	153.7	145.6	73.9	21.0	2.7	0.0
DRUMHELLER	0.0	38.1	141.4	145.1	75.9	20.0	3.4	0.0
EDMONTON	0.4	32.9	80.7	117.8	92.0	28.2	3.0	0.0
FOOTHILLS	0.0	18.5	118.1	142.6	82.0	15.4	4.2	0.0
FORT MCMURRAY	2.0	46.2	118.6	124.6	63.4	17.6	1.2	0.0
HIGH LEVEL-FORT VERMILION	1.4	120.2	268.2	266.1	125.6	70.9	21.4	0.0
JASPER NATIONAL PARK	0.0	0.0	23.2	112.6	119.2	9.2	0.0	0.0
LEDUC-STRATHCONA	0.0	20.8	109.1	119.6	57.0	15.5	1.7	0.4
LETHBRIDGE	0.0	34.1	90.5	127.6	73.7	15.8	2.4	0.0
MEDICINE HAT	0.0	30.0	107.6	122.7	65.4	14.7	1.4	0.0
MINBURN-VERMILION	0.0	21.3	91.3	88.1	39.9	13.9	2.1	0.0
MOUNT VIEW	0.0	16.6	85.8	126.6	89.0	23.6	2.1	0.6
NORTH EASTERN ALBERTA	1.5	52.7	192.7	185.2	82.1	18.4	0.8	0.0
PEACE RIVER	0.6	58.6	184.1	137.6	66.4	16.2	3.4	0.0
RED DEER	0.0	37.6	130.5	146.3	73.7	15.8	2.1	0.0
SOUTH PEACE	0.8	41.3	127.5	127.7	67.4	14.1	1.8	0.0
STONY PLAIN-LAC STE. ANNE	0.0	34.8	139.0	122.2	61.6	16.5	2.1	0.8
STURGEON	0.0	25.4	112.6	122.6	63.4	16.8	1.7	0.0
VEGREVILLE	0.8	20.7	125.3	138.4	80.9	13.6	0.0	0.0
WETOKA	0.0	36.3	138.9	138.2	71.4	16.9	1.8	0.0
ALBERTA	0.3	31.7	95.9	124.3	79.0	22.3	2.8	0.2

AGE-STANDARDIZED LIVE BIRTH RATES (PER 1,000 FEMALES), 1986

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	56.5	52.5	60.6	17	1.03	.
ALBERTA WEST CENTRAL	59.8	55.4	64.2	11	1.10	YES
ATHABASCA	91.4	84.5	98.4	2	1.67	YES
BANFF NATIONAL PARK	33.4	25.2	41.7	27	0.61	.
BARONS-EUREKA-WARNER	68.7	63.5	73.9	5	1.26	YES
BIG COUNTRY	63.7	54.7	72.8	8	1.17	YES
CALGARY	49.7	48.8	50.6	24	0.91	.
CHINOOK	67.3	62.3	72.3	6	1.23	YES
DRUMHELLER	65.0	59.5	70.5	7	1.19	YES
EDMONTON	54.1	53.1	55.2	18	0.99	.
FOOTHILLS	59.1	54.0	64.3	12	1.08	YES
FORT MCMURRAY	56.9	52.8	61.0	16	1.04	.
HIGH LEVEL-FORT VERMILION	130.4	117.9	143.0	1	2.39	YES
JASPER NATIONAL PARK	42.0	30.3	53.8	25	0.77	.
LEDUC-STRATHCONA	50.2	47.5	52.8	23	0.92	.
LETHBRIDGE	52.9	49.5	56.4	20	0.97	.
MEDICINE HAT	52.7	49.7	55.7	22	0.97	.
MINBURN-VERMILION	39.4	35.4	43.3	26	0.72	.
MOUNT VIEW	53.3	50.0	56.6	19	0.98	.
NORTH EASTERN ALBERTA	82.0	76.7	87.3	3	1.50	YES
PEACE RIVER	70.7	65.7	75.7	4	1.29	YES
RED DEER	62.5	59.9	65.1	9	1.14	YES
SOUTH PEACE	58.2	54.8	61.7	14	1.07	YES
STONY PLAIN-LAC STE. ANNE	57.7	54.2	61.1	15	1.06	YES
STURGEON	52.8	50.0	55.6	21	0.97	.
VEGREVILLE	59.1	53.1	65.1	13	1.08	.
WETOKA	62.0	57.1	66.9	10	1.14	YES
ALBERTA	54.6	54.1	55.1	.	.	.

LIVE BIRTHS, 1986

NUMBER OF FIRST ORDER LIVE BIRTHS, 1986

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	43	126	82	6	1	1	0	259
ALBERTA WEST CENTRAL	0	54	129	84	19	1	0	0	287
ATHABASCA	4	89	71	51	17	4	0	0	236
BANFF NATIONAL PARK	0	2	15	18	3	0	0	0	38
BARONS-EUREKA-WARNER	0	35	92	68	18	3	0	0	216
BIG COUNTRY	0	12	23	18	3	0	0	0	56
CALGARY	1	462	1363	1978	912	163	13	2	4894
CHINOOK	1	53	90	55	10	1	0	0	210
DRUMHELLER	0	37	80	56	17	1	0	0	191
EDMONTON	6	592	1462	1620	662	116	8	0	4466
FOOTHILLS	0	20	65	65	31	4	0	0	185
FORT MCMURRAY	3	51	118	102	35	3	0	0	312
HIGH LEVEL-FORT VERMILION	1	42	46	19	7	0	0	0	115
JASPER NATIONAL PARK	0	0	4	13	11	0	0	0	28
LEDUC-STRATHCONA	0	72	155	229	86	7	0	0	549
LETHBRIDGE	0	59	128	130	50	5	0	0	372
MEDICINE HAT	0	80	179	131	37	3	0	0	430
MINBURN-VERMILION	0	23	61	45	7	3	0	0	139
MOUNT VIEW	0	29	122	145	57	14	2	0	369
NORTH EASTERN ALBERTA	3	82	127	87	16	3	0	0	318
PEACE RIVER	1	73	117	67	15	1	0	0	274
RED DEER	0	150	367	279	85	11	2	0	894
SOUTH PEACE	2	75	166	125	30	5	1	0	404
STONY PLAIN-LAC STE. ANNE	0	56	149	109	41	5	0	0	360
STURGEON	0	77	170	187	63	10	1	0	508
VEGREVILLE	1	19	50	47	18	4	0	0	139
WETOKA	0	48	93	61	22	4	0	0	228
ALBERTA	23	2335	5568	5871	2278	372	28	2	16477

NUMBER OF SECOND ORDER LIVE BIRTHS, 1986

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	5	92	109	42	4	1	0	253
ALBERTA WEST CENTRAL	0	16	94	106	37	6	2	0	261
ATHABASCA	0	19	97	97	23	10	2	0	248
BANFF NATIONAL PARK	0	0	1	10	11	2	0	0	24
BARONS-EUREKA-WARNER	0	3	72	79	31	6	0	0	191
BIG COUNTRY	0	3	26	29	14	1	0	0	73
CALGARY	0	76	742	1670	1211	263	15	1	3978
CHINOOK	0	14	90	67	26	4	2	0	203
DRUMHELLER	0	10	55	86	22	4	0	0	177
EDMONTON	0	113	875	1556	998	213	9	0	3764
FOOTHILLS	0	2	55	95	46	10	1	0	209
FORT MCMURRAY	0	8	77	119	55	13	0	0	272
HIGH LEVEL-FORT VERMILION	0	15	48	36	5	2	0	0	106
JASPER NATIONAL PARK	0	0	2	6	5	0	0	0	13
LEDUC-STRATHCONA	0	6	148	259	140	34	1	0	588
LETHBRIDGE	0	16	85	144	72	7	1	0	325
MEDICINE HAT	0	7	132	212	80	10	0	0	441
MINBURN-VERMILION	0	6	47	54	21	5	0	0	133
MOUNT VIEW	0	7	62	188	108	19	1	0	385
NORTH EASTERN ALBERTA	0	19	113	137	54	9	0	0	332
PEACE RIVER	0	27	92	85	34	7	0	0	245
RED DEER	0	20	236	340	111	19	0	0	726
SOUTH PEACE	0	21	132	164	52	8	1	0	378
STONY PLAIN-LAC STE. ANNE	0	20	121	182	77	16	0	0	416
STURGEON	0	10	116	229	136	24	2	0	517
VEGREVILLE	0	2	31	61	32	4	0	0	130
WETOKA	0	5	73	91	43	7	1	0	220
ALBERTA	0	450	3714	6211	3486	707	39	1	14608

NUMBER OF THIRD OR HIGHER ORDER LIVE BIRTHS, 1986

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	2	36	102	73	19	2	0	234
ALBERTA WEST CENTRAL	0	1	28	76	46	12	3	0	166
ATHABASCA	0	1	61	72	49	14	2	0	199
BANFF NATIONAL PARK	0	0	0	1	4	2	0	0	7
BARONS-EUREKA-WARNER	0	2	31	118	80	34	5	0	270
BIG COUNTRY	0	0	12	24	21	6	0	0	63
CALGARY	0	9	236	754	713	265	34	3	2014
CHINOOK	0	4	46	124	87	25	1	0	287
DRUMHELLER	0	0	17	73	69	20	3	0	182
EDMONTON	0	14	322	760	702	269	34	0	2101
FOOTHILLS	0	0	8	48	53	9	3	0	121
FORT MCMURRAY	0	1	33	78	40	10	1	0	163
HIGH LEVEL-FORT VERMILION	0	6	46	77	41	26	6	0	202
JASPER NATIONAL PARK	0	0	0	7	2	1	0	0	10
LEDUC-STRATHCONA	0	0	28	132	152	47	5	1	365
LETHBRIDGE	0	2	26	86	62	21	3	0	200
MEDICINE HAT	0	2	46	122	98	29	3	0	300
MINBURN-VERMILION	0	2	21	45	32	10	2	0	112
MOUNT VIEW	0	0	14	100	121	31	1	1	268
NORTH EASTERN ALBERTA	0	2	67	112	85	20	1	0	287
PEACE RIVER	0	6	68	107	60	17	4	0	262
RED DEER	0	3	97	250	178	38	5	0	571
SOUTH PEACE	0	2	55	131	97	18	1	0	304
STONY PLAIN-LAC STE. ANNE	0	5	51	138	102	28	4	1	329
STURGEON	0	1	48	156	137	42	2	0	386
VEGREVILLE	0	0	13	51	50	6	0	0	120
WETOKA	0	2	23	87	53	14	1	0	180
ALBERTA	0	67	1433	3831	3207	1033	126	6	9703

NUMBER OF LIVE BIRTHS IN WEIGHT (GRAMS) CATEGORIES, 1986

H UNIT	<1,000	1,000-1,499	1,500-1,999	2,000-2,499	2,500-2,999	3,000-4,499	4,500+	TOTAL
ALBERTA EAST CENTRAL	1	3	5	27	107	585	18	746
ALBERTA WEST CENTRAL	3	2	11	24	114	547	13	714
ATHABASCA	2	1	8	23	92	549	8	683
BANFF NATIONAL PARK	0	1	0	2	12	53	1	69
BARONS-EUREKA-WARNER	4	3	9	20	95	532	14	677
BIG COUNTRY	2	1	0	11	31	144	3	192
CALGARY	41	49	97	431	1963	8173	132	10886
CHINOOK	1	4	9	30	100	540	16	700
DRUMHELLER	0	0	2	13	70	447	18	550
EDMONTON	49	48	97	405	1734	7831	167	10331
FOOTHILLS	2	0	4	19	66	417	7	515
FORT MCMURRAY	2	0	4	21	103	597	20	747
HIGH LEVEL-FORT VERMILION	2	1	3	16	66	326	9	423
JASPER NATIONAL PARK	0	0	0	0	9	42	0	51
LEDUC-STRATHCONA	9	8	13	53	231	1152	36	1502
LETHBRIDGE	1	6	11	31	161	678	9	897
MEDICINE HAT	1	0	12	32	183	923	20	1171
MINBURN-VERMILION	4	2	5	14	56	289	14	384
MOUNT VIEW	5	6	7	38	155	794	17	1022
NORTH EASTERN ALBERTA	1	6	8	28	132	745	17	937
PEACE RIVER	2	2	8	23	103	622	21	781
RED DEER	8	16	16	89	344	1684	34	2191
SOUTH PEACE	3	7	7	39	159	849	22	1086
STONY PLAIN-LAC STE. ANNE	2	6	11	43	157	862	24	1105
STURGEON	2	7	14	51	199	1105	33	1411
VEGREVILLE	2	0	6	20	47	306	8	389
WETOKA	0	3	5	15	94	505	6	628
ALBERTA	149	182	372	1518	6583	31297	687	40788

PERCENT OF LIVE BIRTHS IN WEIGHT (GRAMS) CATEGORIES, 1986

H UNIT	< 1,000	1,000-1,499	1,500-1,999	2,000-2,499	2,500-2,999	3,000-4,499	4,500+
ALBERTA EAST CENTRAL	0.1	0.4	0.7	3.6	14.3	78.4	2.4
ALBERTA WEST CENTRAL	0.4	0.3	1.5	3.4	16.0	76.6	1.8
ATHABASCA	0.3	0.1	1.2	3.4	13.5	80.4	1.2
BANFF NATIONAL PARK	0.0	1.4	0.0	2.9	17.4	76.8	1.4
BARONS-EUREKA-WARNER	0.6	0.4	1.3	3.0	14.0	78.6	2.1
BIG COUNTRY	1.0	0.5	0.0	5.7	16.1	75.0	1.6
CALGARY	0.4	0.5	0.9	4.0	18.0	75.1	1.2
CHINOOK	0.1	0.6	1.3	4.3	14.3	77.1	2.3
DRUMHELLER	0.0	0.0	0.4	2.4	12.7	81.3	3.3
EDMONTON	0.5	0.5	0.9	3.9	16.8	75.8	1.6
FOOTHILLS	0.4	0.0	0.8	3.7	12.8	81.0	1.4
FORT MCMURRAY	0.3	0.0	0.5	2.8	13.8	79.9	2.7
HIGH LEVEL-FORT VERMILION	0.5	0.2	0.7	3.8	15.6	77.1	2.1
JASPER NATIONAL PARK	0.0	0.0	0.0	0.0	17.6	82.4	0.0
LEDUC-STRATHCONA	0.6	0.5	0.9	3.5	15.4	76.7	2.4
LETHBRIDGE	0.1	0.7	1.2	3.5	17.9	75.6	1.0
MEDICINE HAT	0.1	0.0	1.0	2.7	15.6	78.8	1.7
MINBURN-VERMILION	1.0	0.5	1.3	3.6	14.6	75.3	3.6
MOUNT VIEW	0.5	0.6	0.7	3.7	15.2	77.7	1.7
NORTH EASTERN ALBERTA	0.1	0.6	0.9	3.0	14.1	79.5	1.8
PEACE RIVER	0.3	0.3	1.0	2.9	13.2	79.6	2.7
RED DEER	0.4	0.7	0.7	4.1	15.7	76.9	1.6
SOUTH PEACE	0.3	0.6	0.6	3.6	14.6	78.2	2.0
STONY PLAIN-LAC STE. ANNE	0.2	0.5	1.0	3.9	14.2	78.0	2.2
STURGEON	0.1	0.5	1.0	3.6	14.1	78.3	2.3
VEGREVILLE	0.5	0.0	1.5	5.1	12.1	78.7	2.1
WETOKA	0.0	0.5	0.8	2.4	15.0	80.4	1.0
ALBERTA	0.4	0.4	0.9	3.7	16.1	76.7	1.7

NUMBER OF LIVE BIRTHS TO SINGLE MOTHERS, 1986

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	26	25	6	4	0	0	0	61
ALBERTA WEST CENTRAL	0	47	50	19	3	2	0	0	121
ATHABASCA	4	95	92	42	9	3	0	0	245
BANFF NATIONAL PARK	0	2	5	2	0	0	0	0	9
BARONS-EUREKA-WARNER	0	23	19	4	2	0	0	0	48
BIG COUNTRY	0	9	6	1	1	0	0	0	17
CALGARY	1	398	532	264	90	22	4	1	1312
CHINOOK	1	48	82	34	8	1	0	0	174
DRUMHELLER	0	35	26	16	4	1	0	0	82
EDMONTON	6	551	762	312	100	26	1	0	1758
FOOTHILLS	0	15	21	11	3	1	0	0	51
FORT MCMURRAY	3	56	73	34	10	0	0	0	176
HIGH LEVEL-FORT VERMILION	1	48	52	25	4	3	0	0	133
JASPER NATIONAL PARK	0	0	5	5	0	0	0	0	10
LEDUC-STRATHCONA	0	64	55	24	6	1	0	0	150
LETHBRIDGE	0	55	37	18	6	2	0	0	118
MEDICINE HAT	0	62	48	23	2	0	0	0	135
MINBURN-VERMILION	0	21	22	10	1	0	0	0	54
MOUNT VIEW	0	21	25	16	1	5	1	0	69
NORTH EASTERN ALBERTA	3	75	89	27	14	2	0	0	210
PEACE RIVER	1	84	90	30	11	1	0	0	217
RED DEER	0	117	144	78	15	2	1	0	357
SOUTH PEACE	2	69	82	26	12	0	0	0	191
STONY PLAIN-LAC STE. ANNE	0	56	57	27	19	3	1	0	163
STURGEON	0	64	46	22	4	4	0	0	140
VEGREVILLE	1	14	10	4	3	0	0	0	32
WETOKA	0	36	41	11	6	2	0	0	96
ALBERTA	23	2091	2496	1091	338	81	8	1	6129

AGE-SPECIFIC LIVE BIRTH RATES (PER 1,000 SINGLE MOTHERS), 1986

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
ALBERTA EAST CENTRAL	0.0	11.7	13.8	2.7	1.9	0.0	0.0	0.0
ALBERTA WEST CENTRAL	0.0	28.8	29.3	9.3	1.6	1.3	0.0	0.0
ATHABASCA	2.8	72.7	91.5	35.2	7.7	2.9	0.0	0.0
BANFF NATIONAL PARK	0.0	10.8	9.9	5.5	0.0	0.0	0.0	0.0
BARONS-EUREKA-WARNER	0.0	14.0	14.6	2.4	1.3	0.0	0.0	0.0
BIG COUNTRY	0.0	18.4	14.1	2.0	2.0	0.0	0.0	0.0
CALGARY	0.1	17.3	15.5	6.9	2.7	0.8	0.2	0.1
CHINOOK	0.6	29.1	55.8	20.1	4.8	0.7	0.0	0.0
DRUMHELLER	0.0	28.4	24.2	10.8	2.8	0.8	0.0	0.0
EDMONTON	0.4	25.2	23.1	9.3	3.9	1.2	0.1	0.0
FOOTHILLS	0.0	12.6	19.4	7.5	1.9	0.7	0.0	0.0
FORT MCMURRAY	2.0	43.1	38.0	14.2	4.9	0.0	0.0	0.0
HIGH LEVEL-FORT VERMILION	1.4	91.6	99.6	50.4	9.5	7.6	0.0	0.0
JASPER NATIONAL PARK	0.0	0.0	19.3	21.6	0.0	0.0	0.0	0.0
LEDUC-STRATHCONA	0.0	17.1	18.1	4.6	0.9	0.2	0.0	0.0
LETHBRIDGE	0.0	24.3	14.0	6.4	2.4	1.0	0.0	0.0
MEDICINE HAT	0.0	20.9	14.5	6.1	0.6	0.0	0.0	0.0
MINBURN-VERMILION	0.0	14.4	15.6	6.1	0.7	0.0	0.0	0.0
MOUNT VIEW	0.0	9.7	10.8	4.7	0.3	1.8	0.5	0.0
NORTH EASTERN ALBERTA	1.5	38.3	55.9	14.9	7.4	1.2	0.0	0.0
PEACE RIVER	0.6	46.4	59.8	15.9	6.7	0.6	0.0	0.0
RED DEER	0.0	25.4	26.9	13.1	3.0	0.5	0.3	0.0
SOUTH PEACE	0.8	29.1	29.6	7.9	4.5	0.0	0.0	0.0
STONY PLAIN-LAC STE. ANNE	0.0	24.1	24.7	7.7	5.3	1.0	0.5	0.0
STURGEON	0.0	18.4	15.5	4.7	0.8	0.9	0.0	0.0
VEGREVILLE	0.8	13.8	13.3	3.5	2.4	0.0	0.0	0.0
WETOKA	0.0	23.7	30.1	6.4	3.6	1.4	0.0	0.0
ALBERTA	0.3	23.2	22.3	8.5	3.0	0.9	0.1	0.0

AGE-STANDARDIZED LIVE BIRTH RATES (PER 1,000 SINGLE MOTHERS), 1986

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	4.2	3.1	5.3	25	0.51	.
ALBERTA WEST CENTRAL	9.9	8.1	11.6	8	1.21	YES
ATHABASCA	30.3	26.4	34.2	2	3.70	YES
BANFF NATIONAL PARK	3.7	1.1	6.3	27	0.45	.
BARONS-EUREKA-WARNER	4.5	3.2	5.8	24	0.55	.
BIG COUNTRY	5.0	2.6	7.4	22	0.61	.
CALGARY	6.1	5.8	6.5	16	0.74	.
CHINOOK	16.2	13.7	18.6	5	1.98	YES
DRUMHELLER	9.4	7.4	11.5	10	1.15	.
EDMONTON	8.9	8.5	9.3	12	1.09	YES
FOOTHILLS	6.1	4.4	7.8	17	0.74	.
FORT MCMURRAY	14.3	12.2	16.4	6	1.74	YES
HIGH LEVEL-FORT VERMILION	37.1	30.7	43.5	1	4.52	YES
JASPER NATIONAL PARK	6.6	2.5	10.7	14	0.80	.
LEDUC-STRATHCONA	5.7	4.8	6.7	19	0.70	.
LETHBRIDGE	6.6	5.4	7.8	15	0.80	.
MEDICINE HAT	5.8	4.8	6.8	18	0.71	.
MINBURN-VERMILION	5.2	3.8	6.6	21	0.63	.
MOUNT VIEW	3.9	3.0	4.8	26	0.48	.
NORTH EASTERN ALBERTA	17.0	14.6	19.3	4	2.07	YES
PEACE RIVER	18.4	15.9	20.9	3	2.24	YES
RED DEER	9.9	8.8	10.9	9	1.21	YES
SOUTH PEACE	10.1	8.6	11.5	7	1.23	YES
STONY PLAIN-LAC STE. ANNE	8.9	7.5	10.3	13	1.09	.
STURGEON	5.6	4.6	6.5	20	0.68	.
VEGREVILLE	4.7	3.0	6.4	23	0.57	.
WETOKA	9.2	7.3	11.0	11	1.12	.
ALBERTA	8.2	8.0	8.4	.	.	.

LIVE BIRTHS TO SINGLE MOTHERS, 1986

PERCENT OF LIVE BIRTHS TO SINGLE MOTHERS, 1986

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	0.0	52.0	9.8	2.0	3.3	0.0	0.0	0.0	8.2
Alberta West Central	0.0	66.2	19.9	7.1	2.9	10.5	0.0	0.0	16.9
Athabasca	100.0	87.2	40.2	19.1	10.1	10.7	0.0	0.0	35.9
Banff National Park	0.0	100.0	31.3	6.9	0.0	0.0	0.0	0.0	13.0
Barons-Eureka-Warner	0.0	57.5	9.7	1.5	1.6	0.0	0.0	0.0	7.1
Big Country	0.0	60.0	9.8	1.4	2.6	0.0	0.0	0.0	8.9
Calgary	100.0	72.8	22.7	6.0	3.2	3.2	6.5	16.7	12.1
Chinook	100.0	67.6	36.3	13.8	6.5	3.3	0.0	0.0	24.9
Drumheller	0.0	74.5	17.1	7.4	3.7	4.0	0.0	0.0	14.9
Edmonton	100.0	76.6	28.7	7.9	4.2	4.3	2.0	0.0	17.0
Foothills	0.0	68.2	16.4	5.3	2.3	4.3	0.0	0.0	9.9
Fort McMurray	100.0	93.3	32.0	11.4	7.7	0.0	0.0	0.0	23.6
High Level-Fort Vermilion	100.0	76.2	37.1	18.9	7.5	10.7	0.0	0.0	31.4
Jasper National Park	0.0	0.0	83.3	19.2	0.0	0.0	0.0	0.0	19.6
Leduc-Strathcona	0.0	82.1	16.6	3.9	1.6	1.1	0.0	0.0	10.0
Lethbridge	0.0	71.4	15.5	5.0	3.3	6.1	0.0	0.0	13.2
Medicine Hat	0.0	69.7	13.4	4.9	0.9	0.0	0.0	0.0	11.5
Minburn-Vermilion	0.0	67.7	17.1	6.9	1.7	0.0	0.0	0.0	14.1
Mount View	0.0	58.3	12.6	3.7	3.5	7.8	25.0	0.0	6.8
North Eastern Alberta	100.0	72.8	29.0	8.0	9.0	6.3	0.0	0.0	22.4
Peace River	100.0	79.2	32.5	11.6	10.0	4.0	0.0	0.0	27.8
Red Deer	0.0	67.6	20.6	9.0	4.0	2.9	14.3	0.0	16.3
South Peace/Grande Prairie	100.0	70.4	23.2	6.2	6.7	0.0	0.0	0.0	17.6
Stony Plain-Lac Ste. Anne	0.0	69.1	17.8	6.3	8.6	6.1	25.0	0.0	14.8
Sturgeon	0.0	72.7	13.8	3.8	1.2	5.3	0.0	0.0	9.9
Vegreville	100.0	66.7	10.6	2.5	3.0	0.0	0.0	0.0	8.2
Wetoka	0.0	65.5	21.7	4.6	5.1	8.0	0.0	0.0	15.3
Alberta	100.0	73.3	23.3	6.9	3.8	3.8	4.1	11.1	15.0

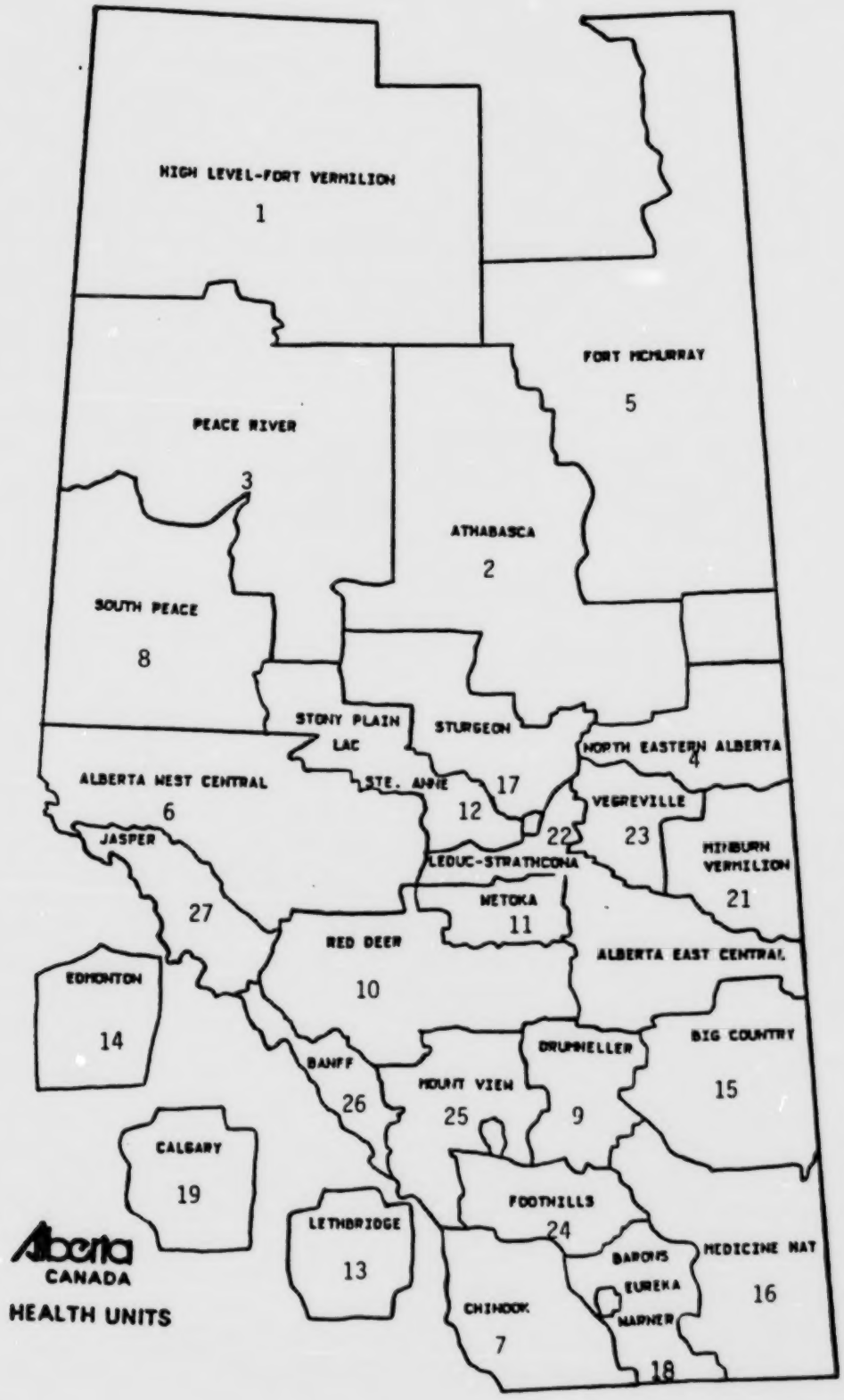
NUMBER OF TEENAGE (15-19) LIVE BIRTHS, 1986

H UNIT	NUMBER
Alberta East Central	50
Alberta West Central	71
Athabasca	109
Banff National Park	2
Barons-Eureka-Warner	40
Big Country	15
Calgary	547
Chinook	71
Drumheller	47
Edmonton	719
Foothills	22
Fort McMurray	60
High Level-Fort Vermilion	63
Jasper National Park	0
Leduc-Strathcona	78
Lethbridge	77
Medicine Hat	89
Minburn-Vermilion	31
Mount View	36
North Eastern Alberta	103
Peace River	106
Red Deer	173
South Peace/Grande Prairie	98
Stony Plain-Lac Ste. Anne	81
Sturgeon	88
Vegreville	21
Wetoka	55
Alberta	2852

TEENAGE (15-19) LIVE BIRTH RATES (PER 1,000 FEMALES), 1986

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	22.5	16.3	28.7	20	0.69	.
Alberta West Central	43.5	33.4	53.6	6	1.33	.
Athabasca	83.4	67.7	99.1	2	2.57	YES
Banff National Park	10.8	- 4.2	25.8	26	0.33	.
Barons-Eureka-Warner	24.4	16.8	32.0	18	0.75	.
Big Country	30.6	15.1	46.1	15	0.94	.
Calgary	23.8	21.8	25.8	19	0.73	.
Chinook	43.0	33.0	53.0	7	1.32	.
Drumheller	38.1	27.2	49.0	9	1.17	.
Edmonton	32.9	30.5	35.3	14	1.01	.
Foothills	18.5	10.8	26.2	24	0.57	.
Fort McMurray	46.2	34.5	57.9	5	1.40	.
High Level-Fort Vermilion	120.2	90.5	149.9	1	3.70	YES
Jasper National Park	0.0	0.0	0.0	27	0.00	.
Leduc-Strathcona	20.8	16.2	25.4	22	0.64	.
Lethbridge	34.1	26.5	41.7	13	1.05	.
Medicine Hat	30.0	23.8	36.2	16	0.92	.
Minburn-Vermilion	21.3	13.8	28.8	21	0.66	.
Mount View	16.6	11.2	22.0	25	0.51	.
North Eastern Alberta	52.7	42.5	62.9	4	1.62	YES
Peace River	58.6	47.4	69.8	3	1.80	YES
Red Deer	37.6	32.0	43.2	10	1.16	.
South Peace/Grande Prairie	41.3	33.1	49.5	8	1.27	.
Stony Plain - Lac Ste. Anne	34.8	27.2	42.4	12	1.07	.
Sturgeon	25.4	20.1	30.7	17	0.78	.
Vegreville	20.7	11.8	29.6	23	0.64	.
Wetoka	36.3	26.7	45.9	11	1.12	.
Alberta	31.7	30.5	32.9			

TEENAGE LIVE BIRTHS, 1986



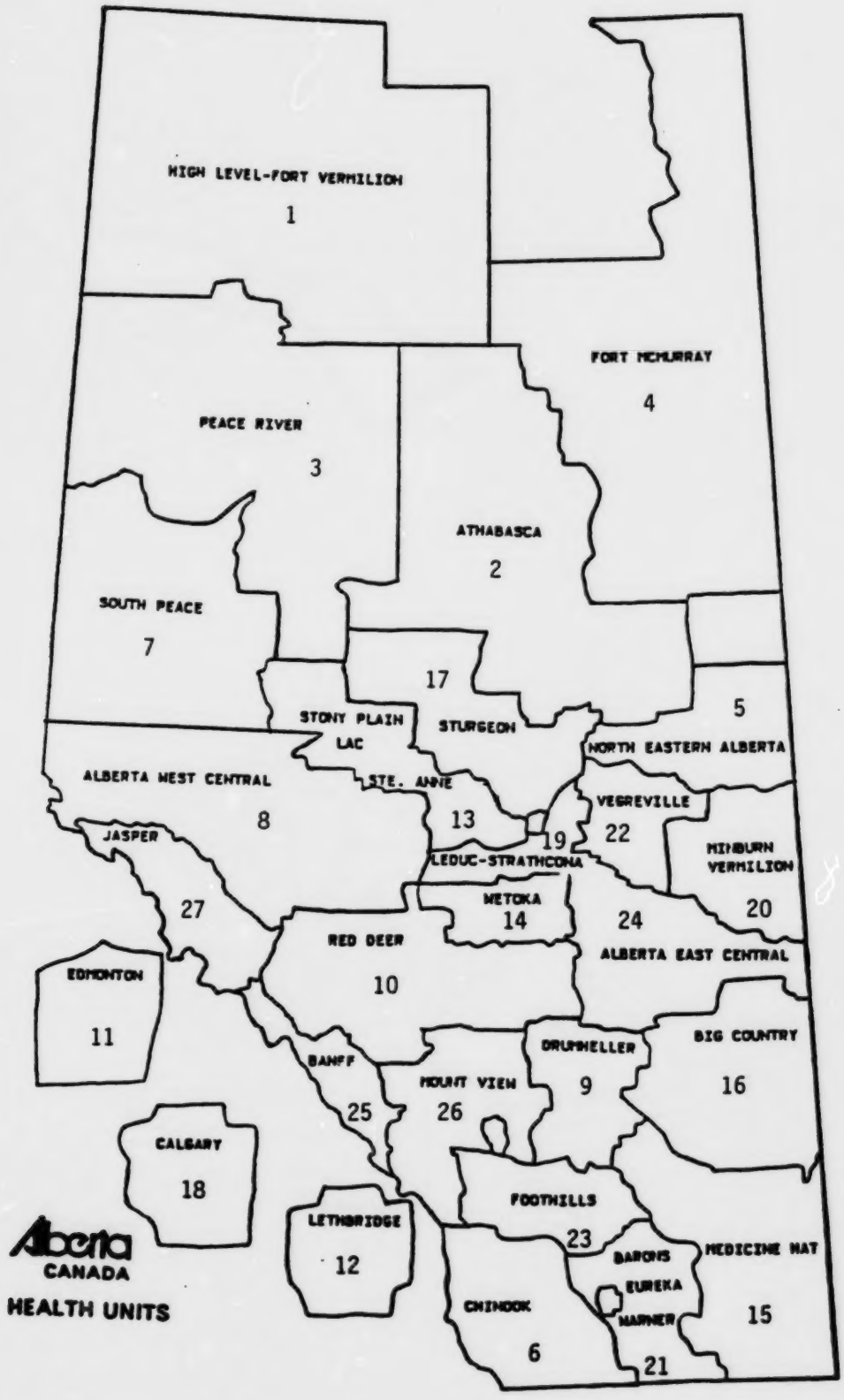
NUMBER OF LIVE BIRTHS TO SINGLE TEENAGE (15-19) MOTHERS, 1986

H UNIT	NUMBER
Alberta East Central	26
Alberta West Central	47
Athabasca	95
Banff National Park	2
Barons-Eureka-Warner	23
Big Country	9
Calgary	398
Chinook	48
Drumheller	35
Edmonton	551
Foothills	15
Fort McMurray	56
High Level-Fort Vermilion	48
Jasper National Park	0
Leduc-Strathcona	64
Lethbridge	55
Medicine Hat	62
Minburn-Vermilion	21
Mount View	21
North Eastern Alberta	75
Peace River	84
Red Deer	117
South Peace/Grande Prairie	69
Stony Plain-Lac Ste. Anne	56
Sturgeon	64
Vegreville	14
Wetoka	36
Alberta	2091

LIVE BIRTH RATES (PER 1,000 SINGLE TEENAGE MOTHERS), 1986

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	11.7	7.2	16.2	24	0.53	.
Alberta West Central	28.8	20.6	37.0	8	1.29	.
Athabasca	72.7	58.1	87.3	2	3.27	YES
Banff National Park	10.8	- 4.2	25.8	25	0.49	.
Barons-Eureka-Warner	14.0	8.3	19.7	21	0.63	.
Big Country	18.4	6.4	30.4	16	0.83	.
Calgary	17.3	15.6	19.0	18	0.78	.
Chinook	29.1	20.9	37.3	6	1.31	.
Drumheller	28.4	19.0	37.8	9	1.28	.
Edmonton	25.2	23.1	27.3	11	1.13	.
Foothills	12.6	6.2	19.0	23	0.57	.
Fort McMurray	43.1	31.8	54.4	4	1.94	YES
High Level-Fort Vermilion	91.6	65.7	117.5	1	4.12	YES
Jasper National Park	0.0	0.0	0.0	27	0.00	.
Leduc-Strathcona	17.1	12.9	21.3	19	0.77	.
Lethbridge	24.3	17.9	30.7	12	1.09	.
Medicine Hat	20.9	15.7	26.1	15	0.94	.
Minburn-Vermilion	14.4	8.2	20.6	20	0.65	.
Mount View	9.7	5.6	13.8	26	0.44	.
North Eastern Alberta	38.3	29.6	47.0	5	1.72	YES
Peace River	46.4	36.5	56.3	3	2.09	YES
Red Deer	25.4	20.8	30.0	10	1.14	.
South Peace/Grande Prairie	29.1	22.2	36.0	7	1.31	.
Stony Plain - Lac Ste. Anne	24.1	17.8	30.4	13	1.08	.
Sturgeon	18.4	13.9	22.9	17	0.83	.
Vegreville	13.8	6.6	21.0	22	0.62	.
Wetoka	23.7	16.0	31.4	14	1.07	.
Alberta	23.2	22.2	24.2			

LIVE BIRTHS TO SINGLE TEENAGE MOTHERS, 1986



Chapter 2

STILLBIRTHS, INFANT MORTALITY AND PERINATAL DEATHS 1986

DESCRIPTION OF TABLES

This chapter presents a fairly detailed treatment of stillbirths and infant mortality in Alberta and the health units. First, data for stillbirths are provided. This is followed by infant mortality rates which also includes perinatal, early neonatal, late neonatal and post-neonatal mortality. The following figure illustrates the concept of stillbirths and infant mortality.

FIGURE A

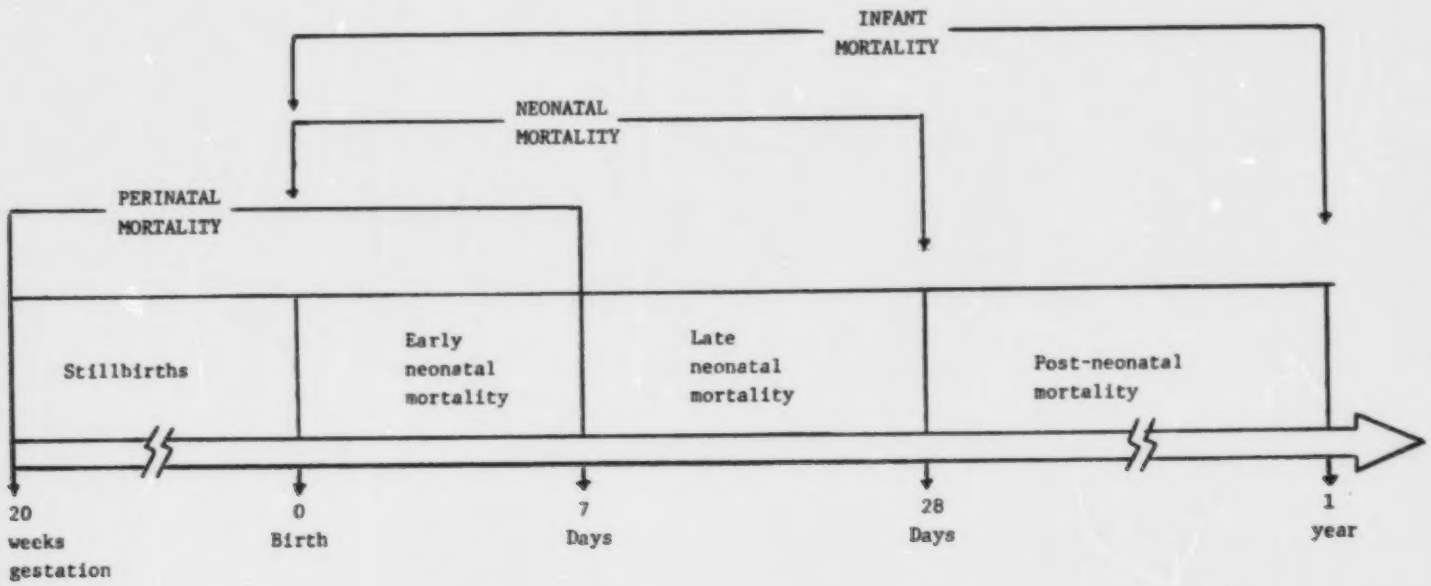


Table 2.1 - 2.2 gives the number of stillbirths among married females by age group and health units. Once again, the totals for the health units and Alberta are provided. Similarly, Table 2.2 shows the number of stillbirths among single females.

Table 2.3 presents the stillbirth ratios (per 1,000 births) for the health units and Alberta. Stillbirth ratios are defined by:

$$\frac{\text{stillbirths}}{\text{live births}} \times 1{,}000 \quad .$$

It is the number of stillbirths relative to the number of livebirths. Since stillbirth statistics are less reliable than might be wished, stillbirth ratios should be interpreted with caution.

Table 2.4 shows the number and rate of infant deaths for each health unit. Infant death rate is defined by:

$$\frac{\text{number of deaths under 1 Year of Age}}{\text{number of live births}} \times 1{,}000 \quad .$$

It should be noted that in 1986 there was a total of 370 infant deaths in the province. Of these 11 occurred in Indian reserves and for another 21 infant deaths the health unit codes were not specified. Thus the infant deaths and the rates shown in this table deal with 91% of the total Alberta infant deaths.

Table 2.5 gives the age distribution of infant deaths (early neonatal deaths, late neonatal deaths and post-neonatal deaths).

Table 2.6 gives the number of perinatal deaths and perinatal death rates (per 1,000 births). Perinatal deaths consist of stillbirths and deaths within the first week of life. The perinatal death rate is defined by:

$$\frac{\text{stillbirths and first week deaths}}{\text{stillbirths and live births}} \times 1{,}000 \ .$$

Since stillbirths and first week deaths are approximately equal, and since stillbirth statistics are somewhat unreliable, as mentioned earlier, perinatal death rates must be also interpreted with caution.

Tables 2.7 - 2.8 show the number and percentage of three major causes of early neonatal mortality from 1984 to 1986 inclusive for males and females respectively.

Tables 2.9 - 2.10 give the number and percentage of three major causes of late neonatal and post neonatal mortality from 1984 to 1986 inclusive for males and females respectively.

The ICD-9 rubrics used in Tables 2.7 to 2.10 are as follows:

Congenital	740.0 - 759.9
Respiratory	769.0
SIDS	798.0
Other	All other codes

NUMBER OF STILLBIRTHS AMONG MARRIED FEMALES, 1986

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	0	1	2	1	1	0	0	0	5
Alberta West Central	0	0	1	0	0	0	0	0	1
Athabasca	0	0	1	1	1	1	0	0	4
Banff National Park	0	0	0	0	1	0	0	0	1
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0
Big Country	0	0	0	0	1	0	0	0	1
Calgary	0	2	10	20	15	3	1	0	51
Chinook	0	0	2	4	0	0	0	0	6
Drumheller	0	0	1	1	0	0	0	0	2
Edmonton	0	2	11	15	11	5	1	0	45
Foothills	0	0	1	0	0	0	0	0	1
Fort McMurray	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	1	0	0	1
Jasper National Park	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	4	2	0	0	0	6
Lethbridge	0	0	0	0	2	2	0	0	4
Medicine Hat	0	0	2	2	5	0	0	0	9
Minburn-Vermilion	0	0	0	2	2	1	1	0	6
Mount View	0	0	1	2	0	0	0	0	3
North Eastern Alberta	0	0	0	2	0	0	0	0	2
Peace River	0	2	0	0	1	1	0	0	4
Red Deer	0	0	1	1	0	0	0	0	2
South Peace/Grande Prairie	0	0	3	3	0	0	0	0	6
Stony Plain - Lac Ste. Anne	0	0	2	2	1	0	0	0	5
Sturgeon	0	0	2	0	1	1	0	0	4
Vegreville	0	0	1	0	1	0	0	0	2
Wetoka	0	0	2	2	0	0	0	0	4
Alberta	0	7	43	62	45	15	3	0	175

NUMBER OF STILLBIRTHS AMONG SINGLE FEMALES, 1986

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	0	1	0	0	0	0	0	0	1
Alberta West Central	0	1	0	0	0	0	0	0	1
Athabasca	0	1	0	0	0	0	0	0	1
Banff National Park	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	1	0	0	0	1
Big Country	0	0	0	0	0	0	0	0	0
Calgary	0	4	5	3	2	0	0	0	14
Chinook	0	2	1	0	1	0	0	0	4
Drumheller	0	0	0	0	0	0	0	0	0
Edmonton	0	2	3	3	0	0	1	0	9
Foothills	0	0	0	0	0	0	0	0	0
Fort McMurray	0	2	1	1	0	0	0	0	4
High Level-Fort Vermilion	0	0	1	0	0	0	0	0	1
Jasper National Park	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	2	0	0	0	0	0	2
Lethbridge	0	0	1	0	0	0	0	0	1
Medicine Hat	0	0	0	0	0	0	0	0	0
Minburn-Vermilion	0	0	0	0	1	0	0	0	1
Mount View	0	0	1	1	0	0	0	0	2
North Eastern Alberta	0	0	1	0	0	0	0	0	1
Peace River	0	0	2	0	1	0	0	0	3
Red Deer	0	0	0	1	0	0	0	0	1
South Peace/Grande Prairie	0	0	0	0	1	0	0	0	1
Stony Plain - Lac Ste. Anne	0	0	0	0	0	0	0	0	0
Sturgeon	0	0	0	0	0	0	0	0	0
Vegreville	0	0	0	0	0	0	0	0	0
Wetoka	0	1	0	1	1	0	0	0	3
Alberta	0	14	18	10	8	0	1	0	51

STILLBIRTH RATIOS (PER 1,000 BIRTHS), 1986

H UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	0.0	50.0	7.9	1.3	1.3	0.0	0.0	0.0	8.0
Alberta West Central	0.0	14.1	4.0	0.0	0.0	0.0	0.0	0.0	2.8
Athabasca	0.0	9.2	4.4	1.5	1.5	1.5	0.0	0.0	7.3
Banff National Park	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	14.5
Barons-Eureka-Warner	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	1.5
Big Country	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	5.2
Calgary	0.0	11.0	6.4	2.1	1.6	0.3	0.1	0.0	6.0
Chinook	0.0	28.2	13.3	5.7	1.4	0.0	0.0	0.0	14.3
Drumheller	0.0	0.0	6.6	1.8	0.0	0.0	0.0	0.0	3.6
Edmonton	0.0	5.6	5.3	1.7	1.1	0.5	0.2	0.0	5.2
Foothills	0.0	0.0	7.8	0.0	0.0	0.0	0.0	0.0	1.9
Fort McMurray	0.0	33.3	4.4	1.3	0.0	0.0	0.0	0.0	5.4
High Level-Fort Vermilion	0.0	0.0	7.1	0.0	0.0	2.4	0.0	0.0	4.7
Jasper National Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leduc-Strathcona	0.0	0.0	6.0	2.7	1.3	0.0	0.0	0.0	5.3
Lethbridge	0.0	0.0	4.2	0.0	2.2	2.2	0.0	0.0	5.6
Medicine Hat	0.0	0.0	5.6	1.7	4.3	0.0	0.0	0.0	7.7
Minburn-Vermilion	0.0	0.0	0.0	5.2	7.8	2.6	2.6	0.0	18.2
Mount View	0.0	0.0	10.1	2.9	0.0	0.0	0.0	0.0	4.9
North Eastern Alberta	0.0	0.0	3.3	2.1	0.0	0.0	0.0	0.0	3.2
Peace River	0.0	18.9	7.2	0.0	2.6	1.3	0.0	0.0	9.0
Red Deer	0.0	0.0	1.4	0.9	0.0	0.0	0.0	0.0	1.4
South Peace/Grande Prairie	0.0	0.0	8.5	2.8	0.9	0.0	0.0	0.0	6.4
Stony Plain - Lac Ste. Anne	0.0	0.0	6.2	1.8	0.9	0.0	0.0	0.0	4.5
Sturgeon	0.0	0.0	6.0	0.0	0.7	0.7	0.0	0.0	2.8
Vegreville	0.0	0.0	10.6	0.0	2.6	0.0	0.0	0.0	5.1
Wetoka	0.0	18.2	10.6	4.8	1.6	0.0	0.0	0.0	11.1
Alberta	0.0	4.9	4.0	1.8	1.3	0.4	0.1	0.0	5.5

2.4

NUMBER OF INFANT DEATHS AND INFANT DEATH RATES

(PER 1,000 LIVE BIRTHS), 1986

H UNIT	NUMBER	RATE
Alberta East Central	7	9.38
Alberta West Central	8	11.20
Athabasca	6	8.78
Banff National Park	0	0.00
Barons-Eureka-Warner	2	2.95
Big Country	0	0.00
Calgary	73	6.71
Chinook	7	10.00
Drumheller	1	1.82
Edmonton	107	10.36
Foothills	0	0.00
Fort McMurray	4	5.35
High Level-Fort Vermilion	8	18.91
Jasper National Park	1	19.61
Leduc-Strathcona	17	11.32
Lethbridge	9	10.03
Medicine Hat	5	4.27
Minburn-Vermilion	5	13.02
Mount View	8	7.83
North Eastern Alberta	5	5.34
Peace River	12	15.36
Red Deer	17	7.76
South Peace/Grande Prairie	13	11.97
Stony Plain - Lac Ste. Anne	9	8.14
Sturgeon	6	4.25
Vegreville	2	5.14
Wetoka	6	9.55
Alberta	338	8.29

AGE-SPECIFIC DISTRIBUTION OF INFANT DEATHS, 1986

H UNIT	INFANT DEATHS			PERCENTAGE DISTRIBUTION		
	Less than 7 days	7-27 days	28 days and over	Less than 7 days	7-27 days	28 days and over
Alberta East Central	2	1	4	28.6	14.3	57.1
Alberta West Central	1	1	6	12.5	12.5	75.0
Athabasca	3	0	3	50.0	0.0	50.0
Banff National Park	0	0	0	0.0	0.0	0.0
Barons-Eureka-Warner	1	0	1	50.0	0.0	50.0
Big Country	0	0	0	0.0	0.0	0.0
Calgary	33	5	35	45.2	6.8	48.0
Chinook	2	0	5	28.6	0.0	71.4
Drumheller	0	1	0	0.0	100.0	0.0
Edmonton	41	16	50	38.3	15.0	46.7
Foothills	0	0	0	0.0	0.0	0.0
Fort McMurray	2	1	1	50.0	25.0	25.0
High Level-Fort Vermilion	3	1	4	37.5	12.5	50.0
Jasper National Park	0	0	1	0.0	0.0	100.0
Leduc-Strathcona	9	1	7	52.9	5.9	41.2
Lethbridge	2	3	4	22.2	33.3	44.5
Medicine Hat	1	2	2	20.0	40.0	40.0
Minburn-Vermilion	4	0	1	80.0	0.0	20.0
Mount View	6	0	2	75.0	0.0	25.0
North Eastern Alberta	4	0	1	80.0	0.0	20.0
Peace River	7	1	4	58.4	8.3	33.3
Red Deer	9	2	6	52.9	11.8	35.3
South Peace/Grande Prairie	5	2	6	38.5	15.4	46.1
Stony Plain - Lac Ste. Anne	3	0	6	33.3	0.0	66.7
Sturgeon	2	2	2	33.4	33.3	33.3
Vegreville	2	0	0	100.0	0.0	0.0
Wetoka	0	2	4	0.0	33.3	66.7
Alberta	142	41	155	42.0	12.1	45.9

2.6

NUMBER OF PERINATAL DEATHS AND PERINATAL DEATH RATES

(PER 1,000 BIRTHS), 1986

H UNIT	NUMBER	RATE
Alberta East Central	10	13.30
Alberta West Central	7	9.78
Athabasca	11	15.99
Banff National Park	1	14.29
Barons-Eureka-Warner	2	2.95
Big Country	1	5.18
Calgary	113	10.32
Chinook	12	16.90
Drumheller	2	3.62
Edmonton	115	11.07
Foothills	1	1.94
Fort McMurray	7	9.32
High Level-Fort Vermilion	8	18.82
Jasper National Park	1	19.61
Leduc-Strathcona	21	13.91
Lethbridge	8	8.87
Medicine Hat	10	8.47
Minburn-Vermilion	11	28.13
Mount View	11	10.71
North Eastern Alberta	7	7.45
Peace River	14	17.77
Red Deer	12	6.38
South Peace/Grande Prairie	14	12.81
Stony Plain - Lac Ste. Anne	12	10.81
Sturgeon	6	4.24
Vegreville	4	10.23
Wetoka	7	11.02
Alberta	428	10.44

MAJOR CAUSES OF EARLY NEONATAL MORTALITY (Less Than 7 Days), MALES
1984 TO 1986

	CONGENITAL		RESPIRATORY		SIDS		OTHER		TOTAL	
H UNIT	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Alberta East Central	3	75.0	0	0.0	0	0.0	1	25.0	4	100.0
Alberta West Central	4	100.0	0	0.0	0	0.0	0	0.0	4	100.0
Athabasca	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0
Banff National Park	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Barons-Eureka-Warner	3	37.5	1	12.5	0	0.0	4	50.0	8	100.0
Big Country	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Calgary	29	43.9	11	16.7	0	0.0	26	39.4	66	100.0
Chinook	0	0.0	0	0.0	0	0.0	2	100.0	2	100.0
Drumheller	1	33.3	0	0.0	0	0.0	2	66.7	3	100.0
Edmonton	34	43.0	16	20.3	0	0.0	29	36.7	79	100.0
Foothills	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
Fort McMurray	2	40.0	2	40.0	0	0.0	1	20.0	5	100.0
High Level-Fort Vermilion	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
Jasper National Park	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Leduc-Strathcona	5	45.5	1	9.1	0	0.0	5	45.5	11	100.0
Lethbridge	0	0.0	1	12.5	0	0.0	7	87.5	8	100.0
Minburn-Vermilion	0	0.0	2	40.0	0	0.0	3	60.0	5	100.0
Mount View	4	50.0	2	25.0	0	0.0	2	25.0	8	100.0
North Eastern Alberta	3	27.5	0	0.0	0	0.0	5	62.5	8	100.0
Peace River	5	55.6	2	22.2	0	0.0	2	22.2	9	100.0
Red Deer	7	46.7	4	26.7	0	0.0	4	26.7	15	100.0
South Peace/Grande Prairie	3	33.3	2	22.2	0	0.0	4	44.4	9	100.0
Southeastern	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
Stony Plain - Lac Ste. Anne	3	75.0	0	0.0	0	0.0	1	25.0	4	100.0
Sturgeon	0	0.0	0	0.0	0	0.0	2	100.0	2	100.0
Vegreville	1	33.3	0	0.0	0	0.0	2	66.7	3	100.0
Wetoka	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alberta	109	42.4	45	17.5	0	0.0	103	40.1	257	100.0

MAJOR CAUSES OF EARLY NEONATAL MORTALITY (Less Than 7 Days), FEMALES
1984 TO 1986

H UNIT	CONGENITAL		RESPIRATORY		SIDS		OTHER		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Alberta East Central	2	40.0	3	60.0	0	0.0	0	0.0	5	100.0
Alberta West Central	1	25.0	0	0.0	0	0.0	3	75.0	4	100.0
Athabasca	2	25.0	1	12.5	0	0.0	5	62.5	8	100.0
Banff National Park	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Barons-Eureka-Warner	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
Big Country	0	0.0	1	50.0	0	0.0	1	50.0	2	100.0
Calgary	23	39.0	6	10.2	0	0.0	30	50.9	59	100.0
Chinook	2	66.7	0	0.0	0	0.0	1	33.3	3	100.0
Drumheller	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
Edmonton	18	28.1	7	10.9	0	0.0	39	60.9	64	100.0
Foothills	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
Fort McMurray	0	0.0	1	25.0	0	0.0	3	75.0	4	100.0
High Level-Fort Vermilion	0	0.0	0	0.0	0	0.0	3	100.0	3	100.0
Jasper National Park	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Leduc-Strathcona	3	33.3	0	0.0	0	0.0	6	66.7	9	100.0
Lethbridge	1	50.0	1	50.0	0	0.0	0	0.0	2	100.0
Minburn-Vermilion	1	25.0	0	0.0	0	0.0	3	75.0	4	100.0
Mount View	2	40.0	1	20.0	0	0.0	2	40.0	5	100.0
North Eastern Alberta	3	100.0	0	0.0	0	0.0	0	0.0	3	100.0
Peace River	2	33.3	2	33.3	0	0.0	2	33.3	6	100.0
Red Deer	6	40.0	6	40.0	0	0.0	3	20.0	15	100.0
South Peace/Grande Prairie	3	50.0	0	0.0	0	0.0	3	50.0	6	100.0
Southeastern	3	37.5	1	12.5	0	0.0	4	50.0	8	100.0
Stony Plain - Lac Ste. Anne	2	66.7	1	33.3	0	0.0	0	0.0	3	100.0
Sturgeon	4	57.1	0	0.0	0	0.0	3	42.9	7	100.0
Vegreville	1	50.0	0	0.0	0	0.0	1	50.0	2	100.0
Wetoka	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alberta	81	36.0	31	13.8	0	0.0	113	50.2	225	100.0

MAJOR CAUSES OF LATE NEONATAL AND POST NEONATAL MORTALITY (7 Days and Over), MALES
1984 TO 1986

	CONGENITAL		RESPIRATORY		SIDS		OTHER		TOTAL	
H UNIT	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Alberta East Central	2	33.3	0	0.0	3	50.0	1	16.7	6	100.0
Alberta West Central	2	25.0	0	0.0	2	25.0	4	50.0	8	100.0
Athabasca	1	10.0	0	0.0	2	20.0	7	70.0	10	100.0
Banff National Park	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Barons-Eureka-Warner	0	0.0	0	0.0	2	66.7	1	33.3	3	100.0
Big Country	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0
Calgary	18	25.0	6	8.3	30	41.7	18	25.0	72	100.0
Chinook	1	11.1	0	0.0	4	44.4	4	44.4	9	100.0
Drumheller	3	50.0	0	0.0	3	50.0	0	0.0	6	100.0
Edmonton	27	27.3	4	4.0	31	31.3	32	37.4	99	100.0
Foothills	0	0.0	0	0.0	2	66.7	1	33.3	3	100.0
Fort McMurray	0	0.0	0	0.0	5	100.0	0	0.0	5	100.0
High Level-Fort Vermilion	0	0.0	0	0.0	0	0.0	3	100.0	3	100.0
Jasper National Park	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Leduc-Strathcona	2	15.4	0	0.0	3	23.1	8	61.5	13	100.0
Lethbridge	0	0.0	1	10.0	6	60.0	3	30.0	10	100.0
Minburn-Vermilion	1	50.0	0	0.0	0	0.0	1	50.0	2	100.0
Mount View	1	14.3	0	0.0	3	42.9	3	42.9	7	100.0
North Eastern Alberta	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0
Peace River	0	0.0	1	12.5	0	0.0	7	87.5	8	100.0
Red Deer	1	7.1	1	7.1	8	57.1	4	28.6	14	100.0
South Peace/Grande Prairie	1	7.1	0	0.0	6	42.9	7	50.0	14	100.0
Southeastern	2	20.0	0	0.0	2	20.0	6	60.0	10	100.0
Stony Plain - Lac Ste. Anne	1	14.3	0	0.0	3	42.9	3	42.9	7	100.0
Sturgeon	3	25.0	1	8.3	5	41.7	3	25.0	12	100.0
Vegreville	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
Wetoka	4	44.4	0	0.0	3	33.3	2	22.2	9	100.0
Alberta	70	21.0	14	4.2	125	37.5	124	37.2	333	100.0

MAJOR CAUSES OF LATE NEONATAL AND POST NEONATAL MORTALITY (7 Days and Over), FEMALES
1984 TO 1986

	CONGENITAL		RESPIRATORY		SIDS		OTHER		TOTAL	
H UNIT	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Alberta East Central	1	33.3	0	0.0	1	33.3	1	33.3	3	100.0
Alberta West Central	0	0.0	0	0.0	1	33.3	2	66.7	3	100.0
Athabasca	0	0.0	0	0.0	2	40.0	3	60.0	5	100.0
Banff National Park	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Barons-Eureka-Warner	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0
Big Country	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
Calgary	11	20.8	1	1.9	11	20.8	30	56.6	53	100.0
Chinook	2	33.3	0	0.0	2	33.3	2	33.3	6	100.0
Drumheller	2	100.0	0	0.0	0	0.0	0	0.0	2	100.0
Edmonton	13	18.1	4	5.6	19	26.4	36	50.0	72	100.0
Foothills	0	0.0	0	0.0	1	50.0	1	50.0	2	100.0
Fort McMurray	0	0.0	0	0.0	1	25.0	3	75.0	4	100.0
High Level-Fort Vermilion	0	0.0	0	0.0	0	0.0	3	100.0	3	100.0
Jasper National Park	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0
Leduc-Strathcona	3	27.3	2	18.2	2	18.2	4	36.4	11	100.0
Lethbridge	1	100.0	0	0.0	0	0.0	0	0.0	1	100.0
Minburn-Vermilion	0	0.0	0	0.0	2	40.0	3	60.0	5	100.0
Mount View	1	25.0	0	0.0	2	50.0	1	25.0	4	100.0
North Eastern Alberta	5	62.5	0	0.0	0	0.0	3	37.5	8	100.0
Peace River	2	25.0	0	0.0	1	12.5	5	62.5	8	100.0
Red Deer	3	17.7	2	11.8	3	17.7	9	52.9	17	100.0
South Peace/Grande Prairie	1	20.0	0	0.0	1	20.0	3	60.0	5	100.0
Southeastern	0	0.0	0	0.0	5	83.3	1	16.7	6	100.0
Stony Plain - Lac Ste. Anne	4	33.3	1	8.3	3	25.0	4	33.3	12	100.0
Sturgeon	3	30.0	1	10.0	2	20.0	4	40.0	10	100.0
Vegreville	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wetoka	1	11.1	0	0.0	5	55.6	3	33.3	9	100.0
Alberta	54	21.4	11	4.4	66	26.2	121	48.0	252	100.0

Chapter 3

DEATHS - MALES
1986

DESCRIPTION OF TABLES

Chapter 3 deal with deaths in the male population. The usual approach to presenting mortality data by age group uses five-year age groups in the range from 5 to 85. For technical reasons it was not possible to fit this many columns on a page, and so somewhat broader age groups were used. These have been defined by aggregating five-year age groups in such a way as to cover meaningful periods in the lifespan. For example, 5 - 14 for the school years, 15 - 24 for early adulthood, etc.

The age-specific male death rate (per 100,000 males) is defined by:

$$\frac{\text{number of deaths to males in age group}}{\text{number of males in age group}} \times 100{,}000 \ .$$

The age-standardized death rates in Chapter 3 have been standardized to the male population of Alberta in 1986. So for each health unit, the male age-standardized death rate for a given cause equals the death rate that would have been observed in that health unit if it had had the age distribution of males in Alberta as a whole in 1986.

The format for Chapter 3 is basically the same as that used in Chapter 1. Following a description of the population by age group there is a series of four page units, each dealing with a specific cause of death. Each unit is structured along the lines of Tables 1.3 - 1.5 and Figure 1.6 of Chapter 1. Note that death rates should be interpreted with considerable caution. Because there are far fewer deaths than live births per year, and because the deaths are spread out over both sexes and all age groups, the tables in Chapter 3 are much sparser looking than those of Chapter 1. As a result, the confidence intervals for the age-standardized death rates are generally quite wide. To an even greater degree this remark applies to confidence intervals for age-specific death rates (not shown). When a confidence interval lower limit extended into the negative numbers it has been reported as such; another approach would have been to

arbitrarily set it equal to 0. In certain cases several health units were found to have identical (age-standardized) rates. When this happened, ranks for these health units were assigned randomly rather than giving each of the health units involved the same intermediate rank. For the most part ties were due to several health units having no deaths due to a cause, and hence a rate of 0. Note that death rates are given per 100,000 males, whereas live birth rates are per 1,000 females.

The causes of death selected for study are listed below along with the rubrics according to the International Classification of Diseases - ninth revision (ICD-9).

CAUSE OF DEATH	ICD-9 RUBRIC
All Causes	1 - 999
All Cancer	140 - 208
Colon Cancer	153 - 154
Lung Cancer	162
Prostate Cancer	185
Diabetes Mellitus	250
Ischemic Heart Disease	410 - 414
Cerebrovascular Disease	430 - 438
Pneumonia	480 - 486
Chronic Obstructive Lung Disease	490 - 493, 496
Liver Cirrhosis	571
Congenital Anomaly	740 - 759
Motor Vehicle Accidents	810 - 819
Suicide	950 - 959

The causes have been ordered in the table and in the chapter in ascending order of rubric number, except for prostate cancer which has been placed at the end of the Chapter. Because of this arrangement the tables and figures in this Chapter correspond by page numbers.

NUMBER IN POPULATION, MALES, 1986

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	496	1972	4559	4387	4511	3706	2791	2981	2416	1437	29256
ALBERTA WEST CENTRAL	410	1817	3685	3765	4412	3053	1959	1236	655	308	21300
ATHABASCA	282	1294	3241	2357	2434	2024	1456	1132	786	513	15519
BANFF NATIONAL PARK	27	78	173	605	798	332	212	163	86	40	2514
BARONS-EUREKA-WARNER	421	1733	3858	3468	3396	2787	1959	1742	1173	724	21261
BIG COUNTRY	128	489	1023	1048	1139	803	672	860	427	268	6857
CALGARY	5291	19888	42721	59946	79526	47748	29839	21040	10843	6011	322853
CHINOOK	464	1772	3884	3439	3510	2758	1895	1847	1520	969	22058
DRUMHELLER	309	1228	2976	2836	3143	2380	1562	1626	1151	696	17907
EDMONTON	4918	17199	35706	55733	66162	38191	27600	21679	11977	6593	285763
FOOTHILLS	293	1211	2934	2395	3151	2655	1626	1446	1071	610	17392
FORT MCMURRAY	432	1655	3513	3274	5143	3009	1123	475	148	57	18829
HIGH LEVEL-FORT VERMILION	192	789	1573	1074	1051	791	467	261	177	74	6449
JASPER NATIONAL PARK	27	89	201	406	555	227	223	122	52	34	1936
LEDUC-STRATHCONA	975	4350	10798	7957	11095	10176	4752	2913	1509	815	55340
LETHBRIDGE	480	1861	3940	4575	5405	3540	2689	2567	1960	1300	28317
MEDICINE HAT	762	2900	6221	6626	7575	4977	3510	3462	2392	1209	39634
MINBURN-VERMILION	373	1422	3033	3355	3422	2451	1704	1811	1309	833	19793
MOUNT VIEW	645	2628	5594	4962	6972	5138	3166	2275	1442	781	33603
NORTH EASTERN ALBERTA	474	1994	4461	3860	3783	3341	2113	1800	1247	844	23917
PEACE RIVER	442	1689	4001	3717	3658	2860	2134	1556	1037	730	21824
RED DEER	1087	4200	8923	10381	11849	7821	5158	4350	2900	1602	59271
SOUTH PEACE	682	2628	5263	5683	6555	4327	2563	2007	1185	770	31663
STONY PLAIN-LAC STE. ANNE	741	2900	6316	4949	7330	5605	2806	2222	1264	576	34789
STURGEON	975	4039	9254	7220	9722	8422	4623	3151	1806	1215	50507
VEGREVILLE	261	1011	2380	2119	2335	2102	1599	1783	1555	1015	16160
WETOKA	416	1567	3468	3162	3366	2674	1938	1893	1430	890	20804
ALBERTA	22003	84403	183699	213299	261998	173898	112299	88400	53593	30999	1224596

AGE DISTRIBUTIONS (IN %)

MALES, 1986

H UNIT	1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	2	7	17	15	16	14	10	11	9	5
Alberta West Central	2	9	19	18	23	16	10	6	3	2
Athabasca	2	9	22	15	17	14	10	8	5	4
Banff National Park	1	4	8	24	38	16	10	8	4	2
Barons-Eureka-Warner	2	9	19	16	17	14	10	9	6	4
Big Country	2	8	16	15	18	13	10	13	7	4
Calgary	2	7	15	19	27	16	10	7	4	2
Chinook	2	9	19	16	17	13	9	9	7	5
Drumheller	2	7	18	16	19	14	9	10	7	4
Edmonton	2	7	14	20	26	15	11	8	5	3
Foothills	2	7	18	14	19	16	10	9	7	4
Fort McMurray	3	10	21	17	30	18	7	3	1	0
High Level-Fort Vermilion	3	13	26	17	17	13	8	4	3	1
Jasper National Park	2	5	12	21	33	13	13	7	3	2
Leduc-Strathcona	2	8	21	14	21	20	9	6	3	2
Lethbridge	2	7	15	16	21	14	10	10	7	5
Medicine Hat	2	8	17	17	21	14	10	10	7	3
Minburn-Vermilion	2	8	17	17	19	13	10	10	18	5
Mount View	2	8	18	15	22	16	10	7	5	2
North Eastern Alberta	2	9	20	16	17	15	9	8	6	4
Peace River	2	8	20	17	18	14	10	8	5	4
Red Deer	2	8	17	18	22	15	10	8	5	3
South Peace/Grande Prairie	2	9	18	18	23	15	9	7	4	3
Stony Plain-Lac Ste. Anne	2	9	19	14	22	17	9	7	4	2
Sturgeon	2	8	19	14	20	18	10	7	4	3
Vegreville	2	7	15	13	15	14	10	12	10	7
Wetoka	2	8	18	15	17	14	10	10	7	5
Alberta	2	8	16	18	23	16	10	8	5	3

NUMBER OF DEATHS, 1986
MALES
ALL CAUSES

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	7	1	1	5	6	9	14	22	73	122	260
ALBERTA WEST CENTRAL	5	1	2	11	3	2	8	20	29	31	112
ATHABASCA	2	3	3	12	10	11	6	16	12	50	125
BANFF NATIONAL PARK	0	0	0	0	0	1	0	3	0	6	10
BARONS-EUREKA-WARNER	1	2	0	4	2	8	10	12	31	44	114
BIG COUNTRY	0	0	1	2	0	1	3	6	15	21	49
CALGARY	42	7	3	25	64	66	120	268	340	538	1473
CHINOOK	3	1	1	5	6	4	7	14	43	81	165
DRUMHELLER	1	0	1	7	7	0	11	15	37	57	136
EDMONTON	62	10	9	47	95	77	151	294	400	591	1736
FOOTHILLS	0	0	3	5	3	2	7	16	33	63	132
FORT MCMURRAY	2	0	0	3	4	5	6	3	5	5	33
HIGH LEVEL-FORT VERMILION	4	0	0	2	4	2	4	6	2	9	33
JASPER NATIONAL PARK	0	0	0	0	1	1	2	2	0	2	8
LEDUC-STRATHCONA	8	1	2	13	12	17	15	36	53	77	234
LETHBRIDGE	7	2	1	6	4	4	11	33	55	122	245
MEDICINE HAT	3	2	1	4	10	5	10	35	77	99	246
MINBURN-VERMILION	4	1	0	7	8	5	11	13	25	52	126
MOUNT VIEW	5	0	1	5	9	7	9	31	35	64	166
NORTH EASTERN ALBERTA	4	0	2	8	4	7	13	29	39	69	175
PEACE RIVER	7	3	0	12	8	6	12	20	30	57	155
RED DEER	8	2	1	16	13	13	23	40	99	149	364
SOUTH PEACE	9	2	3	15	13	10	8	30	30	63	183
STONY PLAIN-LAC STE. ANNE	1	3	1	9	4	12	15	21	27	57	150
STURGEON	2	1	2	22	13	7	16	32	58	92	245
VEGREVILLE	2	1	2	5	4	3	8	15	47	81	168
WETOKA	4	0	2	7	3	7	4	22	33	67	149
ALBERTA	193	43	42	257	310	292	504	1054	1628	2669	6992

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

ALL CAUSES

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	1411	51	22	114	133	243	502	738	3022	8490
ALBERTA WEST CENTRAL	1220	55	54	292	68	66	408	1618	4427	7990
ATHABASCA	709	232	93	509	411	543	412	1413	1527	9747
BANFF NATIONAL PARK	0	0	0	0	0	301	0	1840	0	15000
BARONS-EUREKA-WARNER	238	115	0	115	59	287	510	689	2643	6077
BIG COUNTRY	0	0	98	191	0	125	446	698	3513	7836
CALGARY	794	35	7	42	80	138	402	1274	3136	8950
CHINOOK	647	56	26	145	171	145	369	758	2829	8359
DRUMHELLER	324	0	34	247	223	0	704	923	3215	8190
EDMONTON	1261	58	25	84	144	202	547	1356	3340	8957
FOOTHILLS	0	0	102	209	95	75	431	1107	3081	10328
FORT MCMURRAY	463	0	0	92	78	166	534	632	3378	8772
HIGH LEVEL-FORT VERMILION	2083	0	0	186	381	253	857	2299	1130	12162
JASPER NATIONAL PARK	0	0	0	0	180	441	897	1639	0	5882
LEDUC-STRATHCONA	821	23	19	163	108	167	316	1236	3512	9448
LETHBRIDGE	1458	107	25	131	74	113	409	1286	2806	9385
MEDICINE HAT	394	69	16	60	132	100	285	1011	3219	8189
MINBURN-VERMILION	1072	70	0	209	234	204	617	718	1910	6242
MOUNT VIEW	775	0	18	101	129	136	284	1363	2427	8195
NORTH EASTERN ALBERTA	844	0	45	207	106	210	615	1611	3128	8175
PEACE RIVER	1504	178	0	323	219	210	562	1285	2893	7808
RED DEER	736	48	11	154	110	166	446	920	3414	9301
SOUTH PEACE	1320	76	57	264	198	231	312	1495	2532	8182
STONY PLAIN-LAC STE. ANNE	135	103	16	182	55	214	520	945	2136	9896
STURGEON	205	25	22	305	134	83	346	1016	3075	7572
VEGREVILLE	766	99	84	236	171	143	500	841	3023	7980
WETOKA	962	0	58	221	89	262	206	1162	2308	7528
ALBERTA	877	51	23	120	118	168	449	1192	3037	8610

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

ALL CAUSES

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	561	489	634	14	0.98	.
ALBERTA WEST CENTRAL	659	535	782	3	1.15	.
ATHABASCA	750	616	884	2	1.31	YES
BANFF NATIONAL PARK	555	206	905	15	0.97	.
BARONS-EUREKA-WARNER	452	368	536	26	0.79	.
BIG COUNTRY	509	363	654	24	0.89	.
CALGARY	554	526	583	16	0.97	.
CHINOOK	526	442	609	20	0.92	.
DRUMHELLER	581	481	681	12	1.02	.
EDMONTON	625	596	655	6	1.09	YES
FOOTHILLS	598	495	702	9	1.05	.
FORT MCMURRAY	529	284	774	19	0.93	.
HIGH LEVEL-FORT VERMILION	789	505	1073	1	1.38	.
JASPER NATIONAL PARK	451	129	772	27	0.79	.
LEDUC-STRATHCONA	605	526	685	8	1.06	.
LETHBRIDGE	583	507	658	11	1.02	.
MEDICINE HAT	515	450	579	22	0.90	.
MINBURN-VERMILION	489	401	578	25	0.86	.
MOUNT VIEW	519	440	598	21	0.91	.
NORTH EASTERN ALBERTA	627	533	721	5	1.10	.
PEACE RIVER	642	540	744	4	1.12	.
RED DEER	584	524	644	10	1.02	.
SOUTH PEACE	613	524	702	7	1.07	.
STONY PLAIN-LAC STE. ANNE	546	457	634	17	0.96	.
STURGEON	533	466	600	18	0.93	.
VEGREVILLE	572	476	668	13	1.00	.
WETOKA	515	430	601	23	0.90	.
ALBERTA	571	558	584	.	.	.

ALL CAUSES, MALES, 1986

NUMBER OF DEATHS, 1986
MALES
ALL CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	1	3	6	23	27	60
ALBERTA WEST CENTRAL	0	0	0	0	1	0	1	2	5	7	16
ATHABASCA	0	2	2	0	1	3	0	5	3	12	28
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	1	0	1	1	3	9	9	24
BIG COUNTRY	0	0	0	0	0	0	1	4	3	2	10
CALGARY	0	1	1	1	9	15	29	85	124	103	368
CHINOOK	0	0	0	0	1	0	3	3	16	13	36
DRUMHELLER	0	0	1	0	0	0	1	7	13	10	32
EDMONTON	0	2	3	0	7	15	43	104	121	124	419
FOOTHILLS	0	0	0	0	0	0	1	6	13	12	32
FORT MCMURRAY	0	0	0	0	0	2	3	1	1	2	9
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	1	0	1	0	2
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	2	2	6	12	16	15	53
LETHBRIDGE	0	2	1	0	1	0	1	8	19	17	49
MEDICINE HAT	0	0	0	0	0	1	6	10	24	17	58
MINBURN-VERMILION	0	0	0	0	0	3	3	2	7	9	24
MOUNT VIEW	0	0	0	0	0	0	4	8	12	10	34
NORTH EASTERN ALBERTA	0	0	0	0	0	3	3	14	14	12	46
PEACE RIVER	0	0	0	1	0	0	1	7	10	13	32
RED DEER	0	0	0	2	1	1	6	14	25	30	79
SOUTH PEACE	0	0	0	0	0	2	1	4	10	13	30
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	3	2	6	8	15	34
STURGEON	0	0	0	3	1	2	3	14	28	19	70
VEGREVILLE	0	0	0	0	0	1	3	3	21	21	49
WETOKA	0	0	0	0	0	0	1	9	6	16	32
ALBERTA	0	7	8	8	24	55	127	337	532	528	1626

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

ALL CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	27	107	201	952	1879
ALBERTA WEST CENTRAL	0	0	0	0	23	0	51	162	763	1804
ATHABASCA	0	155	62	0	41	148	0	442	382	2339
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	29	0	36	51	172	767	1243
BIG COUNTRY	0	0	0	0	0	0	149	465	703	746
CALGARY	0	5	2	2	11	31	97	404	1144	1714
CHINOOK	0	0	0	0	28	0	158	162	1053	1342
DRUMHELLER	0	0	34	0	0	0	64	431	1129	1437
EDMONTON	0	12	8	0	11	39	156	480	1010	1879
FOOTHILLS	0	0	0	0	0	0	62	415	1214	1967
FORT MCMURRAY	0	0	0	0	0	66	267	211	676	3509
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	214	0	565	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	18	20	126	412	1060	1840
LETHBRIDGE	0	107	25	0	19	0	37	312	969	1308
MEDICINE HAT	0	0	0	0	0	20	171	289	1003	1406
MINBURN-VERMILION	0	0	0	0	0	122	168	110	535	1080
MOUNT VIEW	0	0	0	0	0	0	126	352	832	1280
NORTH EASTERN ALBERTA	0	0	0	0	0	90	142	778	1123	1422
PEACE RIVER	0	0	0	27	0	0	47	450	964	1781
RED DEER	0	0	0	19	8	13	116	322	862	1873
SOUTH PEACE	0	0	0	0	0	46	39	199	844	1688
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	54	69	270	633	2604
STURGEON	0	0	0	42	10	24	65	444	1485	1564
VEGREVILLE	0	0	0	0	0	48	188	160	1350	2069
WETOKA	0	0	0	0	0	0	52	475	420	1798
ALBERTA	0	8	4	4	9	32	113	381	993	1703

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

H UNIT	ALL CANCER RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	117	87	148	15	0.88	.
ALBERTA WEST CENTRAL	100	51	150	21	0.75	.
ATHABASCA	158	98	217	3	1.19	.
BANFF NATIONAL PARK	0	0	0	26	0.00	.
BARONS-EUREKA-WARNER	92	55	129	23	0.69	.
BIG COUNTRY	97	36	158	22	0.73	.
CALGARY	139	125	154	8	1.05	.
CHINOOK	112	74	150	17	0.84	.
DRUMHELLER	128	83	172	11	0.96	.
EDMONTON	151	136	165	5	1.14	YES
FOOTHILLS	139	90	187	9	1.05	.
FORT MCMURRAY	168	25	310	1	1.26	.
HIGH LEVEL-FORT VERMILION	44	-18	106	25	0.33	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	141	102	180	7	1.06	.
LETHBRIDGE	117	83	150	16	0.88	.
MEDICINE HAT	119	88	150	14	0.89	.
MINBURN-VERMILION	92	54	129	24	0.69	.
MOUNT VIEW	106	70	141	18	0.80	.
NORTH EASTERN ALBERTA	167	118	216	2	1.26	.
PEACE RIVER	129	84	174	10	0.97	.
RED DEER	126	98	154	13	0.95	.
SOUTH PEACE	104	67	142	19	0.78	.
STONY PLAIN-LAC STE. ANNE	127	84	170	12	0.95	.
STURGEON	155	119	192	4	1.17	.
VEGREVILLE	148	104	191	6	1.11	.
WETOKA	103	67	139	20	0.77	.
ALBERTA	133	126	139	.	.	.

ALL CANCER, MALES, 1986

NUMBER OF DEATHS, 1986
MALES
COLON CANCER

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	1	4	5
ALBERTA WEST CENTRAL	0	0	0	0	1	0	0	1	0	0	2
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	2	1	3
BIG COUNTRY	0	0	0	0	0	0	0	1	1	0	2
CALGARY	0	0	0	0	1	1	4	16	15	12	49
CHINOOK	0	0	0	0	0	0	0	0	0	4	4
DRUMHELLER	0	0	0	0	0	0	0	0	2	2	4
EDMONTON	0	0	0	0	0	3	6	16	16	14	55
FOOTHILLS	0	0	0	0	0	0	0	0	0	1	1
FORT MCMURRAY	0	0	0	0	0	0	1	0	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	1	0	0	1	3	2	7
LETHBRIDGE	0	0	0	0	0	0	0	1	3	1	5
MEDICINE HAT	0	0	0	0	0	0	0	0	2	5	7
MINBURN-VERMILION	0	0	0	0	0	0	1	1	2	1	5
MOUNT VIEW	0	0	0	0	0	0	0	1	2	1	4
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	1	3	0	4
PEACE RIVER	0	0	0	0	0	0	0	1	1	0	2
RED DEER	0	0	0	0	0	0	0	2	3	2	7
SOUTH PEACE	0	0	0	0	0	0	0	0	0	1	1
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	1	0	1	2
STURGEON	0	0	0	0	0	0	0	1	5	0	6
VEGREVILLE	0	0	0	0	0	0	0	0	2	1	3
WETOKA	0	0	0	0	0	0	0	1	0	1	2
ALBERTA	0	0	0	0	3	4	12	45	63	54	181

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

COLON CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	41	278
ALBERTA WEST CENTRAL	0	0	0	0	23	0	0	81	0	0
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	171	138
BIG COUNTRY	0	0	0	0	0	0	0	116	234	0
CALGARY	0	0	0	0	1	2	13	76	138	200
CHINOOK	0	0	0	0	0	0	0	0	0	413
DRUMHELLER	0	0	0	0	0	0	0	0	174	287
EDMONTON	0	0	0	0	0	8	22	74	134	212
FOOTHILLS	0	0	0	0	0	0	0	0	0	164
FORT MCMURRAY	0	0	0	0	0	0	89	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	9	0	0	34	199	245
LETHBRIDGE	0	0	0	0	0	0	0	39	153	77
MEDICINE HAT	0	0	0	0	0	0	0	0	84	414
MINBURN-VERMILION	0	0	0	0	0	0	56	55	153	120
MOUNT VIEW	0	0	0	0	0	0	0	44	139	128
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	56	241	0
PEACE RIVER	0	0	0	0	0	0	0	64	96	0
RED DEER	0	0	0	0	0	0	0	46	103	125
SOUTH PEACE	0	0	0	0	0	0	0	0	0	130
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	45	0	174
STURGEON	0	0	0	0	0	0	0	32	265	0
VEGREVILLE	0	0	0	0	0	0	0	0	129	99
WETOKA	0	0	0	0	0	0	0	53	0	112
ALBERTA	0	0	0	0	1	2	11	51	118	174

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

COLON CANCER

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	9	1	17	16	0.60	.
ALBERTA WEST CENTRAL	11	-4	26	11	0.73	.
ATHABASCA	0	0	0	24	0.00	.
BANFF NATIONAL PARK	0	0	0	25	0.00	.
BARONS-EUREKA-WARNER	11	-1	23	12	0.73	.
BIG COUNTRY	19	-7	45	2	1.27	.
CALGARY	18	13	24	5	1.20	.
CHINOOK	10	0	21	15	0.67	.
DRUMHELLER	15	0	29	6	1.00	.
EDMONTON	20	14	25	1	1.33	YES
FOOTHILLS	4	-4	12	22	0.27	.
FORT MCMURRAY	8	-8	24	18	0.53	.
HIGH LEVEL-FORT VERMILION	0	0	0	26	0.00	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	19	5	34	3	1.27	.
LETHBRIDGE	11	1	22	13	0.73	.
MEDICINE HAT	14	4	25	8	0.93	.
MINBURN-VERMILION	19	2	36	4	1.27	.
MOUNT VIEW	12	0	25	10	0.80	.
NORTH EASTERN ALBERTA	15	0	29	7	1.00	.
PEACE RIVER	9	-3	21	17	0.60	.
RED DEER	11	3	19	14	0.73	.
SOUTH PEACE	3	-3	10	23	0.20	.
STONY PLAIN-LAC STE. ANNE	8	-3	18	19	0.53	.
STURGEON	14	3	25	9	0.93	.
VEGREVILLE	8	-1	17	20	0.53	.
VETOKA	7	-3	16	21	0.47	.
ALBERTA	15	13	17	.	.	.

COLON CANCER, MALES, 1986

3.14

NUMBER OF DEATHS, 1986
MALES
LUNG CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	1	8	6	15
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	1	1	2
ATHABASCA	0	0	0	0	1	1	0	3	0	3	8
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	1	5	6
BIG COUNTRY	0	0	0	0	0	0	0	1	2	1	4
CALGARY	0	0	0	0	0	2	9	18	35	26	90
CHINOOK	0	0	0	0	0	0	1	0	4	1	6
DRUMHELLER	0	0	0	0	0	0	0	2	4	0	6
EDMONTON	0	0	0	0	1	1	13	35	39	36	125
FOOTHILLS	0	0	0	0	0	0	1	2	3	1	7
FORT MCMURRAY	0	0	0	0	0	0	2	0	1	1	4
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	1	0	0	0	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	1	1	7	9
LETHBRIDGE	0	0	0	0	0	0	1	0	7	4	12
MEDICINE HAT	0	0	0	0	0	0	0	6	2	2	10
MINBURN-VERMILION	0	0	0	0	0	1	0	1	2	2	6
MOUNT VIEW	0	0	0	0	0	0	2	3	3	0	8
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	4	2	2	8
PEACE RIVER	0	0	0	0	0	0	0	4	2	2	8
RED DEER	0	0	0	0	0	0	1	5	7	7	20
SOUTH PEACE	0	0	0	0	0	0	0	1	4	6	11
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	2	2	3	2	9
STURGEON	0	0	0	0	1	0	1	7	9	5	23
VEGREVILLE	0	0	0	0	0	0	2	0	3	3	8
WETOKA	0	0	0	0	0	0	0	2	2	0	4
ALBERTA	0	0	0	0	3	5	36	98	145	123	410

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

LUNG CANCER

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	34	331	418
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	153	258
ATHABASCA	0	0	0	0	41	49	0	265	0	585
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	85	691
BIG COUNTRY	0	0	0	0	0	0	0	116	468	373
CALGARY	0	0	0	0	0	4	30	86	323	433
CHINOOK	0	0	0	0	0	0	53	0	263	103
DRUMHELLER	0	0	0	0	0	0	0	123	348	0
EDMONTON	0	0	0	0	2	3	47	161	326	546
FOOTHILLS	0	0	0	0	0	0	62	138	260	164
FORT MCMURRAY	0	0	0	0	0	0	178	0	676	1754
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	214	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	34	66	859
LETHBRIDGE	0	0	0	0	0	0	37	0	357	308
MEDICINE HAT	0	0	0	0	0	0	0	173	84	165
MINBURN-VERMILION	0	0	0	0	0	41	0	55	153	240
MOUNT VIEW	0	0	0	0	0	0	63	132	208	0
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	222	160	237
PEACE RIVER	0	0	0	0	0	0	0	257	193	274
RED DEER	0	0	0	0	0	0	19	115	241	437
SOUTH PEACE	0	0	0	0	0	0	0	50	338	779
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	69	90	237	347
STURGEON	0	0	0	0	10	0	22	222	477	412
VEGREVILLE	0	0	0	0	0	0	125	0	193	296
WETOKA	0	0	0	0	0	0	0	106	140	0
ALBERTA	0	0	0	0	1	3	32	111	271	397

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

LUNG CANCER

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	27	14	41	13	0.82	.
ALBERTA WEST CENTRAL	13	-5	32	25	0.39	.
ATHABASCA	50	15	85	3	1.52	.
BANFF NATIONAL PARK	0	0	0	26	0.00	.
BARONS-EUREKA-WARNER	21	4	38	20	0.64	.
BIG COUNTRY	38	1	76	5	1.15	.
CALGARY	35	27	42	7	1.06	.
CHINOOK	19	3	35	23	0.58	.
DRUMHELLER	24	5	43	17	0.73	.
EDMONTON	45	37	53	4	1.36	YES
FOOTHILLS	32	8	56	9	0.97	.
FORT MCMURRAY	90	-17	197	1	2.73	.
HIGH LEVEL-FORT VERMILION	20	-19	58	21	0.61	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	27	9	45	14	0.82	.
LETHBRIDGE	27	11	42	15	0.82	.
MEDICINE HAT	20	8	33	22	0.61	.
MINBURN-VERMILION	23	4	41	19	0.70	.
MOUNT VIEW	24	7	41	18	0.73	.
NORTH EASTERN ALBERTA	29	9	49	12	0.88	.
PEACE RIVER	34	10	58	8	1.03	.
RED DEER	32	18	46	10	0.97	.
SOUTH PEACE	38	16	61	6	1.15	.
STONY PLAIN-LAC STE. ANNE	32	11	53	11	0.97	.
STURGEON	52	30	73	2	1.58	YES
VEGREVILLE	27	7	48	16	0.82	.
WETOKA	14	0	27	24	0.42	.
ALBERTA	33	30	37	.	.	.

LUNG CANCER, MALES, 1986

NUMBER OF DEATHS, 1986

MALES

DIABETES MELLITUS

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	1	1	2
ALBERTA WEST CENTRAL	0	0	0	0	0	0	2	2	1	0	5
ATHABASCA	0	0	0	0	0	0	0	0	1	0	1
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	1	1	0	2
BIG COUNTRY	0	0	0	0	0	0	0	0	0	1	1
CALGARY	0	0	0	0	0	1	1	4	4	4	14
CHINOOK	0	0	0	0	0	0	0	0	0	3	3
DRUMHELLER	0	0	0	0	0	0	1	0	2	1	4
EDMONTON	0	0	0	0	0	0	1	4	3	12	20
FOOTHILLS	0	0	0	0	0	0	0	0	1	0	1
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	0	1	1
LETHBRIDGE	0	0	0	0	0	0	0	0	1	3	4
MEDICINE HAT	0	0	0	0	0	0	0	0	0	2	2
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	0	0	0	0	0	0	0	0	0	1	1
NORTH EASTERN ALBERTA	0	0	0	0	0	0	1	0	1	1	3
PEACE RIVER	0	0	0	0	0	0	0	0	0	3	3
RED DEER	0	0	0	0	0	0	0	1	4	3	8
SOUTH PEACE	0	0	0	0	1	0	0	0	0	2	3
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	0	0
STURGEON	0	0	0	0	0	1	0	0	0	0	1
VEGREVILLE	0	0	0	0	0	0	0	1	2	2	5
WETOKA	0	0	0	0	0	0	0	0	0	0	0
ALBERTA	0	0	0	0	1	2	6	13	22	40	84

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

DIABETES MELLITUS

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	41	70
ALBERTA WEST CENTRAL	0	0	0	0	0	0	102	162	153	0
ATHABASCA	0	0	0	0	0	0	0	0	127	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	57	85	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	373
CALGARY	0	0	0	0	0	2	3	19	37	67
CHINOOK	0	0	0	0	0	0	0	0	0	310
DRUMHELLER	0	0	0	0	0	0	64	0	174	144
EDMONTON	0	0	0	0	0	0	4	18	25	182
FOOTHILLS	0	0	0	0	0	0	0	0	93	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	0	123
LETHBRIDGE	0	0	0	0	0	0	0	0	51	231
MEDICINE HAT	0	0	0	0	0	0	0	0	0	165
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	0	0	0	0	0	0	0	0	0	128
NORTH EASTERN ALBERTA	0	0	0	0	0	0	47	0	80	118
PEACE RIVER	0	0	0	0	0	0	0	0	0	411
RED DEER	0	0	0	0	0	0	0	23	138	187
SOUTH PEACE	0	0	0	0	15	0	0	0	0	260
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	0
STURGEON	0	0	0	0	0	12	0	0	0	0
VEGREVILLE	0	0	0	0	0	0	0	56	129	197
WETOKA	0	0	0	0	0	0	0	0	0	0
ALBERTA	0	0	0	0	0	1	5	15	41	129

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

H UNIT	DIABETES MELLITUS RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	4	-1	9	15	0.57	.
ALBERTA WEST CENTRAL	28	3	52	1	4.00	YES
ATHABASCA	6	-5	16	13	0.86	.
BANFF NATIONAL PARK	0	0	0	21	0.00	.
BARONS-EUREKA-WARNER	8	-3	19	9	1.14	.
BIG COUNTRY	9	-9	28	8	1.29	.
CALGARY	5	2	8	14	0.71	.
CHINOOK	8	-1	17	10	1.14	.
DRUMHELLER	17	0	34	2	2.43	.
EDMONTON	7	4	11	12	1.00	.
FOOTHILLS	4	-4	12	16	0.57	.
FORT MCMURRAY	0	0	0	22	0.00	.
HIGH LEVEL-FORT VERMILION	0	0	0	23	0.00	.
JASPER NATIONAL PARK	0	0	0	24	0.00	.
LEDUC-STRATHCONA	3	-3	9	18	0.43	.
LETHBRIDGE	8	0	16	11	1.14	.
MEDICINE HAT	4	-2	10	17	0.57	.
MINBURN-VERMILION	0	0	0	25	0.00	.
MOUNT VIEW	3	-3	10	19	0.43	.
NORTH EASTERN ALBERTA	11	-2	23	5	1.57	.
PEACE RIVER	10	-1	22	6	1.43	.
RED DEER	12	4	21	4	1.71	.
SOUTH PEACE	10	-1	21	7	1.43	.
STONY PLAIN-LAC STE. ANNE	0	0	0	26	0.00	.
STURGEON	2	-2	5	20	0.29	.
VEGREVILLE	15	2	28	3	2.14	.
WETOKA	0	0	0	27	0.00	.
ALBERTA	7	5	8	.	.	.

HIGH LEVEL-FORT VERMILION
23
FORT MCMURRAY
22
PEACE RIVER
6
ATHABASCA
13
SOUTH PEACE
7
STONY PLAIN
LAC STE. ANNE
26
STURGEON
20
NORTH EASTERN ALBERTA
5
ALBERTA WEST CENTRAL
1
VEGREVILLE
3
JASPER
24
18
LEDUC-STRATHCONA
MINBURN
VERMILION
25
METOKA
27
RED DEER
4
ALBERTA EAST CENTRAL
15
EDMONTON
12
DRUMHELLER
2
BIG COUNTRY
8
BANFF
21
MOUNT VIEW
19
CALGARY
14
FOOTHILLS
16
LETHBRIDGE
11
BARONS
EUREKA
MARNER
MEDICINE HAT
17
CHINOOK
10
9
Alberta
CANADA
HEALTH UNITS

NUMBER OF DEATHS, 1986
MALES
ISCHEMIC HEART DISEASE

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	1	5	10	22	32	70
ALBERTA WEST CENTRAL	0	0	0	0	0	0	2	8	12	12	34
ATHABASCA	0	0	0	0	0	3	2	2	5	12	24
BANFF NATIONAL PARK	0	0	0	0	0	0	0	1	0	2	3
BARONS-EUREKA-WARNER	0	0	0	0	0	1	4	4	8	11	28
BIG COUNTRY	0	0	0	0	0	0	0	1	4	7	12
CALGARY	0	0	0	0	1	6	32	69	74	116	298
CHINOOK	0	0	0	0	0	1	2	5	12	20	40
DRUMHELLER	0	0	0	0	0	0	3	3	9	14	29
EDMONTON	0	0	0	0	0	8	25	64	95	132	324
FOOTHILLS	0	0	0	0	0	0	1	5	13	17	36
FORT MCMURRAY	0	0	0	0	0	1	0	1	1	0	3
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	1	0	2	1	5	9
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
LEDUC-STRATHCONA	0	0	0	1	1	3	4	10	20	20	59
LETHBRIDGE	0	0	0	0	0	2	4	12	16	34	68
MEDICINE HAT	0	0	0	0	0	0	1	15	26	40	82
MINBURN-VERMILION	0	0	0	0	0	1	4	5	10	17	37
MOUNT VIEW	0	0	0	0	0	2	3	10	10	22	47
NORTH EASTERN ALBERTA	0	0	0	0	0	1	2	10	10	25	48
PEACE RIVER	0	0	0	0	0	2	4	4	14	15	39
RED DEER	0	0	0	0	1	1	4	9	29	35	79
SOUTH PEACE	0	0	0	0	0	1	3	9	11	23	47
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	1	4	3	7	13	28
STURGEON	0	0	0	0	0	0	1	4	12	33	50
VEGREVILLE	0	0	0	0	0	0	1	4	16	26	47
WETOKA	0	0	0	0	0	0	2	7	13	15	37
ALBERTA	0	0	0	1	3	36	113	277	450	699	1579

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

ISCHEMIC HEART DISEASE

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	27	179	335	911	2227
ALBERTA WEST CENTRAL	0	0	0	0	0	0	102	647	1832	3093
ATHABASCA	0	0	0	0	0	148	137	177	636	2339
BANFF NATIONAL PARK	0	0	0	0	0	0	0	613	0	5000
BARONS-EUREKA-WARNER	0	0	0	0	0	36	204	230	682	1519
BIG COUNTRY	0	0	0	0	0	0	0	116	937	2612
CALGARY	0	0	0	0	1	13	107	328	682	1930
CHINOOK	0	0	0	0	0	36	106	271	789	2064
DRUMHELLER	0	0	0	0	0	0	192	185	782	2011
EDMONTON	0	0	0	0	0	21	91	295	793	2001
FOOTHILLS	0	0	0	0	0	0	62	346	1214	2787
FORT MCMURRAY	0	0	0	0	0	33	0	211	676	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	126	0	766	565	6757
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	2941
LEDUC-STRATHCONA	0	0	0	13	9	29	84	343	1325	2454
LETHBRIDGE	0	0	0	0	0	56	149	467	816	2615
MEDICINE HAT	0	0	0	0	0	0	28	433	1087	3309
MINBURN-VERMILION	0	0	0	0	0	41	224	276	764	2041
MOUNT VIEW	0	0	0	0	0	39	95	440	693	2817
NORTH EASTERN ALBERTA	0	0	0	0	0	30	95	556	802	2962
PEACE RIVER	0	0	0	0	0	70	187	257	1350	2055
RED DEER	0	0	0	0	8	13	78	207	1000	2185
SOUTH PEACE	0	0	0	0	0	23	117	448	928	2987
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	18	139	135	554	2257
STURGEON	0	0	0	0	0	0	22	127	636	2716
VEGREVILLE	0	0	0	0	0	0	63	224	1029	2562
WETOKA	0	0	0	0	0	0	103	370	909	1605
ALBERTA	0	0	0	0	1	21	101	313	840	2255

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

ISCHEMIC HEART DISEASE

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	141	107	175	12	1.09	.
ALBERTA WEST CENTRAL	215	142	287	2	1.67	YES
ATHABASCA	133	80	187	13	1.03	.
BANFF NATIONAL PARK	171	-25	367	3	1.33	.
BARONS-EUREKA-WARNER	109	68	149	23	0.84	.
BIG COUNTRY	116	50	181	20	0.90	.
CALGARY	114	101	127	22	0.88	.
CHINOOK	121	83	160	17	0.94	.
DRUMHELLER	116	73	159	21	0.90	.
EDMONTON	118	105	131	19	0.91	.
FOOTHILLS	154	104	205	10	1.19	.
FORT MCMURRAY	49	-16	115	27	0.38	.
HIGH LEVEL-FORT VERMILION	269	90	448	1	2.09	.
JASPER NATIONAL PARK	74	-71	220	26	0.57	.
LEDUC-STRATHCONA	161	119	203	7	1.25	.
LETHBRIDGE	157	119	196	8	1.22	.
MEDICINE HAT	165	129	201	4	1.28	YES
MINBURN-VERMILION	1[illegible]	88	175	15	1.02	.
MOUNT VIEW	148	105	190	11	1.15	.
NORTH EASTERN ALBERTA	163	117	210	5	1.26	.
PEACE RIVER	157	107	206	9	1.22	.
RED DEER	125	97	152	16	0.97	.
SOUTH PEACE	163	116	209	6	1.26	.
STONY PLAIN-LAC STE. ANNE	106	67	146	25	0.82	.
STURGEON	108	78	138	24	0.84	.
VEGREVILLE	132	93	170	14	1.02	.
WETOKA	119	80	157	18	0.92	.
ALBERTA	129	123	135	.	.	.

HIGH LEVEL-FORT VERMILION
1
FORT MCMURRAY
27
PEACE RIVER
9
ATHABASCA
13
SOUTH PEACE
6
STONY PLAIN
LAC
STURGEON
24
NORTH EASTERN ALBERTA
5
ALBERTA WEST CENTRAL
2
STE. ANNE
25
VEGREVILLE
14
7
JASPER
26
LEDUC-STRATHCONA
MINBURN
VERMILION
15
METOKA
18
RED DEER
16
ALBERTA EAST CENTRAL
12
EDMONTON
19
DRUMHELLER
21
BIG COUNTRY
20
BANFF
3
MOUNT VIEW
11
CALGARY
22
FOOTHILLS
10
LETHBRIDGE
8
BADLANDS
EUREKA
MEDICINE HAT
4
CHINOOK
17
WARNER
23
Alberta
CANADA
HEALTH UNITS

NUMBER OF DEATHS, 1986
MALES
CEREBROVASCULAR DISEASE

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	4	9	13
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	1	2	3
ATHABASCA	0	0	0	0	0	0	0	0	0	3	3
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
BARONS-EUREKA-WARNER	0	0	0	0	0	1	0	1	3	6	11
BIG COUNTRY	0	0	0	0	0	0	0	0	0	1	1
CALGARY	0	0	0	1	1	5	1	12	14	61	95
CHINOOK	0	0	0	0	0	0	0	0	0	13	13
DRUMHELLER	0	0	0	0	0	0	0	0	3	9	12
EDMONTON	0	0	0	0	1	1	9	11	23	52	97
FOOTHILLS	0	0	0	0	0	0	0	0	0	2	2
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	1	0	0	1
LEDUC-STRATHCONA	0	0	0	0	0	0	1	4	7	7	19
LETHBRIDGE	0	0	0	0	0	0	1	2	4	7	14
MEDICINE HAT	0	0	0	0	0	0	0	1	4	13	18
MINBURN-VERMILION	0	0	0	0	1	0	0	0	1	6	8
MOUNT VIEW	0	0	0	0	0	0	0	0	2	7	9
NORTH EASTERN ALBERTA	0	0	0	0	0	0	2	0	2	4	8
PEACE RIVER	0	1	0	0	0	0	1	0	1	5	8
RED DEER	0	0	0	0	0	1	1	3	7	17	29
SOUTH PEACE	0	0	0	0	0	1	0	2	3	4	10
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	1	1	0	1	3	6
STURGEON	0	0	0	0	0	0	2	2	4	5	13
VEGREVILLE	0	0	0	0	0	0	0	0	2	5	7
WETOKA	0	0	0	0	0	2	0	2	2	12	18
ALBERTA	0	1	0	1	3	12	19	41	88	254	419

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

CEREBROVASCULAR DISEASE

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	166	626
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	153	515
ATHABASCA	0	0	0	0	0	0	0	0	0	505
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	2500
BARONS-EUREKA-WARNER	0	0	0	0	0	36	0	57	256	829
BIG COUNTRY	0	0	0	0	0	0	0	0	0	373
CALGARY	0	0	0	2	1	10	3	57	129	1015
CHINOOK	0	0	0	0	0	0	0	0	0	1342
DRUMHELLER	0	0	0	0	0	0	0	0	261	1293
EDMONTON	0	0	0	0	2	3	33	51	192	788
FOOTHILLS	0	0	0	0	0	0	0	0	0	328
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	820	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	21	137	464	859
LETHBRIDGE	0	0	0	0	0	0	37	78	204	538
MEDICINE HAT	0	0	0	0	0	0	0	29	167	1075
MINBURN-VERMILION	0	0	0	0	29	0	0	0	76	720
MOUNT VIEW	0	0	0	0	0	0	0	0	139	896
NORTH EASTERN ALBERTA	0	0	0	0	0	0	95	0	160	474
PEACE RIVER	0	59	0	0	0	0	47	0	96	685
RED DEER	0	0	0	0	0	13	19	69	241	1061
SOUTH PEACE	0	0	0	0	0	23	0	100	253	519
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	18	35	0	79	521
STURGEON	0	0	0	0	0	0	43	63	212	412
VEGREVILLE	0	0	0	0	0	0	0	0	129	493
WETOKA	0	0	0	0	0	75	0	106	140	1343
ALBERTA	0	1	0	0	1	7	17	46	164	819

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

CEREBROVASCULAR DISEASE

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	23	11	36	19	0.68	.
ALBERTA WEST CENTRAL	20	-3	42	21	0.59	.
ATHABASCA	15	-2	32	23	0.44	.
BANFF NATIONAL PARK	63	-61	187	1	1.85	.
BARONS-EUREKA-WARNER	41	17	66	7	1.21	.
BIG COUNTRY	9	-9	28	24	0.26	.
CALGARY	38	30	45	8	1.12	.
CHINOOK	34	15	52	12	1.00	.
DRUMHELLER	44	19	69	6	1.29	.
EDMONTON	36	29	43	10	1.06	.
FOOTHILLS	8	-3	20	25	0.24	.
FORT MCMURRAY	0	0	0	26	0.00	.
HIGH LEVEL-FORT VERMILION	0	0	0	27	0.00	.
JASPER NATIONAL PARK	59	-57	175	2	1.74	.
LEDUC-STRATHCONA	54	30	78	4	1.59	.
LETHBRIDGE	32	15	48	13	0.94	.
MEDICINE HAT	37	20	54	9	1.09	.
MINBURN-VERMILION	28	8	48	16	0.82	.
MOUNT VIEW	29	10	48	15	0.85	.
NORTH EASTERN ALBERTA	28	8	47	17	0.82	.
PEACE RIVER	30	9	51	14	0.88	.
RED DEER	46	29	63	5	1.35	.
SOUTH PEACE	35	13	56	11	1.03	.
STONY PLAIN-LAC STE. ANNE	22	4	41	20	0.65	.
STURGEON	28	13	44	18	0.82	.
VEGREVILLE	18	5	32	22	0.53	.
WETOKA	59	31	86	3	1.74	YES
ALBERTA	34	31	37	.	.	.

CEREBROVASCULAR DISEASE, MALES, 1986

NUMBER OF DEATHS, 1986

MALES

PNEUMONIA

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75 +	TOTAL
ALBERTA EAST CENTRAL	0	0	0	1	0	0	0	0	1	6	8
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	1	3	4
ATHABASCA	0	0	0	0	1	0	0	2	0	2	5
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	1	0	0	6	7
BIG COUNTRY	0	0	0	0	0	0	0	0	2	3	5
CALGARY	0	0	0	1	1	0	1	2	5	33	43
CHINOOK	0	0	0	0	0	0	0	0	0	5	5
DRUMHELLER	0	0	0	0	0	0	0	0	0	5	5
EDMONTON	1	0	1	0	0	0	3	2	10	34	51
FOOTHILLS	0	0	0	0	0	0	0	0	0	4	4
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	1	0	0	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	1	1	4	6
LETHBRIDGE	0	0	0	0	0	0	0	1	0	10	11
MEDICINE HAT	1	0	0	0	0	0	1	1	0	3	6
MINBURN-VERMILION	0	0	0	0	0	0	0	1	0	2	3
MOUNT VIEW	0	0	0	0	0	0	0	1	1	5	7
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	2	3	5
PEACE RIVER	0	0	0	0	0	0	1	0	0	4	5
RED DEER	0	0	0	0	0	0	0	1	3	9	13
SOUTH PEACE	0	0	0	0	0	0	0	0	0	3	3
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	1	0	2	3
STURGEON	0	0	0	0	0	0	0	0	1	7	8
VEGREVILLE	0	0	0	0	0	0	0	0	1	4	5
WETOKA	0	0	0	0	0	0	0	0	2	4	6
ALBERTA	2	0	1	2	2	0	7	14	30	161	219

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

PNEUMONIA

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	23	0	0	0	0	41	418
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	153	773
ATHABASCA	0	0	0	0	41	0	0	177	0	390
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	51	0	0	829
BIG COUNTRY	0	0	0	0	0	0	0	0	468	1119
CALGARY	0	0	0	2	1	0	3	10	46	549
CHINOOK	0	0	0	0	0	0	0	0	0	516
DRUMHELLER	0	0	0	0	0	0	0	0	0	718
EDMONTON	20	0	3	0	0	0	11	9	83	515
FOOTHILLS	0	0	0	0	0	0	0	0	0	656
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	383	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	34	66	491
LETHBRIDGE	0	0	0	0	0	0	0	39	0	769
MEDICINE HAT	131	0	0	0	0	0	28	29	0	248
MINBURN-VERMILION	0	0	0	0	0	0	0	55	0	240
MOUNT VIEW	0	0	0	0	0	0	0	44	69	640
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	160	355
PEACE RIVER	0	0	0	0	0	0	47	0	0	548
RED DEER	0	0	0	0	0	0	0	23	103	562
SOUTH PEACE	0	0	0	0	0	0	0	0	0	390
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	45	0	347
STURGEON	0	0	0	0	0	0	0	0	53	576
VEGREVILLE	0	0	0	0	0	0	0	0	64	394
WETOKA	0	0	0	0	0	0	0	0	140	449
ALBERTA	9	0	1	1	1	0	6	16	56	519

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

	PNEUMONIA					
H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	16	4	28	17	0.89	.
ALBERTA WEST CENTRAL	26	1	52	4	1.44	.
ATHABASCA	31	3	60	2	1.72	.
BANFF NATIONAL PARK	0	0	0	25	0.00	.
BARONS-EUREKA-WARNER	26	7	45	5	1.44	.
BIG COUNTRY	49	6	92	1	2.72	.
CALGARY	17	12	23	13	0.94	.
CHINOOK	13	2	25	19	0.72	.
DRUMHELLER	18	2	34	10	1.00	.
EDMONTON	19	14	24	9	1.06	.
FOOTHILLS	17	0	33	14	0.94	.
FORT MCMURRAY	0	0	0	26	0.00	.
HIGH LEVEL-FORT VERMILION	28	-27	82	3	1.56	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	18	4	32	11	1.00	.
LETHBRIDGE	22	9	36	6	1.22	.
MEDICINE HAT	13	3	24	20	0.72	.
MINBURN-VERMILION	10	-1	22	23	0.56	.
MOUNT VIEW	22	6	39	7	1.22	.
NORTH EASTERN ALBERTA	16	2	30	18	0.89	.
PEACE RIVER	18	2	34	12	1.00	.
RED DEER	20	9	32	8	1.11	.
SOUTH PEACE	10	-1	21	24	0.56	.
STONY PLAIN-LAC STE. ANNE	12	-2	26	22	0.67	.
STURGEON	17	5	29	15	0.94	.
VEGREVILLE	13	2	24	21	0.72	.
WETOKA	17	3	32	16	0.94	.
ALBERTA	18	16	20	.	.	.

PNEUMONIA, MALES, 1986

NUMBER OF DEATHS, 1986

MALES

CHRONIC OBSTRUCTIVE LUNG DISEASE

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	2	6	8
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	1	1	2
ATHABASCA	0	0	0	0	0	0	0	0	1	6	7
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
BARONS-EUREKA-WARNER	0	0	0	0	0	0	1	1	1	2	5
BIG COUNTRY	0	0	0	0	0	0	0	0	1	3	4
CALGARY	0	0	0	0	0	0	1	9	21	44	75
CHINOOK	0	0	0	1	0	0	0	1	3	5	10
DRUMHELLER	0	0	0	0	0	0	0	0	3	5	8
EDMONTON	0	1	0	0	0	0	0	6	27	35	69
FOOTHILLS	0	0	0	0	0	0	1	1	2	3	7
FORT MCMURRAY	0	0	0	0	0	0	0	0	1	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	1	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	2	2	7	11
LETHBRIDGE	0	0	0	0	0	0	0	2	3	13	18
MEDICINE HAT	0	0	0	0	0	0	0	2	7	4	13
MINBURN-VERMILION	0	0	0	0	0	0	0	2	1	3	6
MOUNT VIEW	0	0	0	0	0	0	0	0	2	5	7
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	1	5	6
PEACE RIVER	0	0	0	0	0	0	1	0	1	5	7
RED DEER	0	0	0	0	0	0	0	3	7	14	24
SOUTH PEACE	0	0	0	0	0	0	0	3	1	4	8
STONY PLAIN-LAC STE. ANNE	0	0	0	1	0	0	0	1	2	2	6
STURGEON	0	0	0	0	0	0	0	1	2	4	7
VEGREVILLE	0	0	0	0	0	0	0	1	0	2	3
WETOKA	0	0	0	0	0	0	0	0	1	1	2
ALBERTA	0	1	0	2	0	0	4	35	93	181	316

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

CHRONIC OBSTRUCTIVE LUNG DISEASE

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	83	418
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	153	258
ATHABASCA	0	0	0	0	0	0	0	0	127	1170
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	2500
BARONS-EUREKA-WARNER	0	0	0	0	0	0	51	57	85	276
BIG COUNTRY	0	0	0	0	0	0	0	0	234	1119
CALGARY	0	0	0	0	0	0	3	43	194	732
CHINOOK	0	0	0	29	0	0	0	54	197	516
DRUMHELLER	0	0	0	0	0	0	0	0	261	718
EDMONTON	0	6	0	0	0	0	0	28	225	530
FOOTHILLS	0	0	0	0	0	0	62	69	187	492
FORT MCMURRAY	0	0	0	0	0	0	0	0	676	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	1351
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	69	133	859
LETHBRIDGE	0	0	0	0	0	0	0	78	153	1000
MEDICINE HAT	0	0	0	0	0	0	0	58	293	331
MINBURN-VERMILION	0	0	0	0	0	0	0	110	76	360
MOUNT VIEW	0	0	0	0	0	0	0	0	139	640
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	80	592
PEACE RIVER	0	0	0	0	0	0	47	0	96	685
RED DEER	0	0	0	0	0	0	0	69	241	874
SOUTH PEACE	0	0	0	0	0	0	0	149	84	519
STONY PLAIN-LAC STE. ANNE	0	0	0	20	0	0	0	45	153	347
STURGEON	0	0	0	0	0	0	0	32	106	329
VEGREVILLE	0	0	0	0	0	0	0	56	0	197
WETOKA	0	0	0	0	0	0	0	0	70	112
ALBERTA	0	1	0	1	0	0	4	40	174	584

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

CHRONIC OBSTRUCTIVE LUNG DISEASE

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	14	4	24	23	0.54	.
ALBERTA WEST CENTRAL	13	-5	32	24	0.50	.
ATHABASCA	35	9	61	5	1.35	.
BANFF NATIONAL PARK	63	-61	187	1	2.42	.
BARONS-EUREKA-WARNER	20	2	37	19	0.77	.
BIG COUNTRY	39	1	76	2	1.50	.
CALGARY	30	24	37	10	1.15	.
CHINOOK	31	11	50	8	1.19	.
DRUMHELLER	30	9	50	11	1.15	.
EDMONTON	26	20	32	14	1.00	.
FOOTHILLS	31	8	55	9	1.19	.
FORT MCMURRAY	30	-28	88	12	1.15	.
HIGH LEVEL-FORT VERMILION	34	-33	101	6	1.31	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	32	13	52	7	1.23	.
LETHBRIDGE	38	20	55	3	1.46	.
MEDICINE HAT	25	12	39	16	0.96	.
MINBURN-VERMILION	20	4	37	20	0.77	.
MOUNT VIEW	22	6	39	17	0.85	.
NORTH EASTERN ALBERTA	19	4	33	21	0.73	.
PEACE RIVER	26	7	45	15	1.00	.
RED DEER	38	23	53	4	1.46	.
SOUTH PEACE	28	8	47	13	1.08	.
STONY PLAIN-LAC STE. ANNE	22	4	41	18	0.85	.
STURGEON	15	4	27	22	0.58	.
VEGREVILLE	9	-1	20	25	0.35	.
WETOKA	6	-2	14	26	0.23	.
ALBERTA	26	23	29	.	.	.

CHRONIC OBSTRUCTIVE LUNG DISEASE, MALES, 1986

NUMBER OF DEATHS, 1986

MALES

LIVER CIRRHOSIS

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	1	0	0	0	1	2	4
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	1	1	0	2
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	1	0	0	1
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	1	1	0	2
CALGARY	0	0	0	0	1	1	9	13	6	2	32
CHINOOK	0	0	0	0	0	0	1	0	0	1	2
DRUMHELLER	0	0	0	0	0	0	0	1	0	0	1
EDMONTON	0	0	0	0	1	2	8	9	7	1	28
FOOTHILLS	0	0	0	0	0	0	0	1	0	0	1
FORT MCMURRAY	0	0	0	0	0	1	0	0	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	1	0	0	0	0	1
LETHBRIDGE	0	0	0	0	0	0	0	1	1	1	3
MEDICINE HAT	0	0	0	0	0	0	0	1	1	0	2
MINBURN-VERMILION	0	0	0	0	0	0	0	1	0	0	1
MOUNT VIEW	0	0	0	0	0	0	0	1	0	0	1
NORTH EASTERN ALBERTA	0	0	0	0	0	0	3	0	0	1	4
PEACE RIVER	0	0	0	0	0	0	0	1	0	0	1
RED DEER	0	0	0	0	1	0	1	0	1	1	4
SOUTH PEACE	0	0	0	0	0	1	0	0	1	0	2
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	0	0
STURGEON	0	0	0	0	0	1	0	1	0	0	2
VEGREVILLE	0	0	0	0	0	0	1	1	0	0	2
WETOKA	0	0	0	0	0	0	0	1	0	0	1
ALBERTA	0	0	0	0	4	7	23	35	20	9	98

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

LIVER CIRRHOSIS

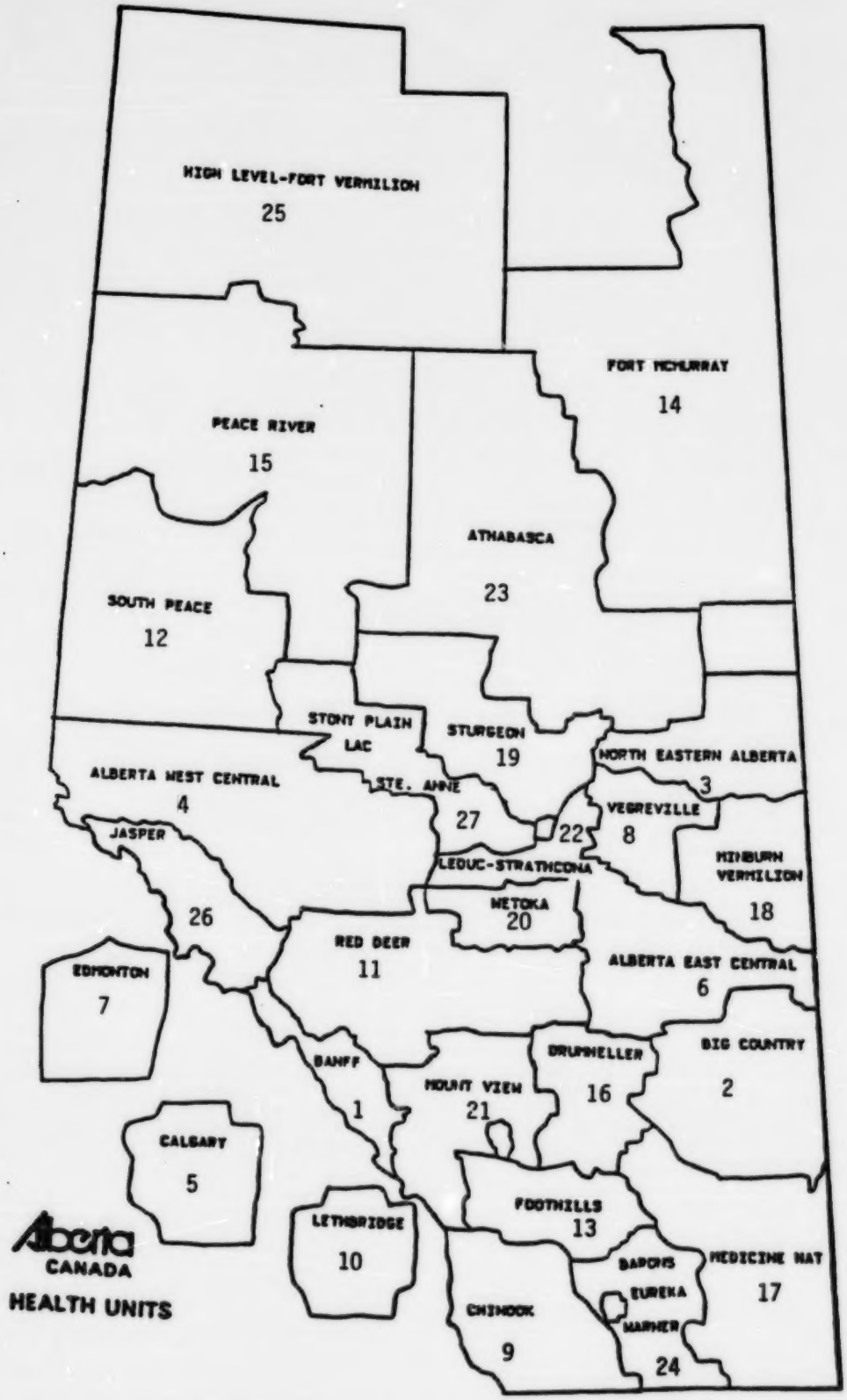
H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	22	0	0	0	41	139
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	81	153	0
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	613	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	116	234	0
CALGARY	0	0	0	0	1	2	30	62	55	33
CHINOOK	0	0	0	0	0	0	53	0	0	103
DRUMHELLER	0	0	0	0	0	0	0	62	0	0
EDMONTON	0	0	0	0	2	5	25	42	58	15
FOOTHILLS	0	0	0	0	0	0	0	69	0	0
FORT MCMURRAY	0	0	0	0	0	33	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	10	0	0	0	0
LETHBRIDGE	0	0	0	0	0	0	0	39	51	77
MEDICINE HAT	0	0	0	0	0	0	0	29	42	0
MINBURN-VERMILION	0	0	0	0	0	0	0	55	0	0
MOUNT VIEW	0	0	0	0	0	0	0	44	0	0
NORTH EASTERN ALBERTA	0	0	0	0	0	0	142	0	0	118
PEACE RIVER	0	0	0	0	0	0	0	64	0	0
RED DEER	0	0	0	0	8	0	19	0	34	62
SOUTH PEACE	0	0	0	0	0	23	0	0	84	0
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	0
STURGEON	0	0	0	0	0	12	0	32	0	0
VEGREVILLE	0	0	0	0	0	0	63	56	0	0
WETOKA	0	0	0	0	0	0	0	53	0	0
ALBERTA	0	0	0	0	2	4	20	40	37	29

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

LIVER CIRRHOSIS

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	10	-1	21	6	1.25	.
ALBERTA WEST CENTRAL	13	-5	30	4	1.63	.
ATHABASCA	0	0	0	23	0.00	.
BANFF NATIONAL PARK	44	-43	131	1	5.50	.
BARONS-EUREKA-WARNER	0	0	0	24	0.00	.
BIG COUNTRY	19	-7	45	2	2.38	.
CALGARY	11	7	15	5	1.38	.
CHINOOK	7	-3	18	9	0.88	.
DRUMHELLER	4	-4	13	16	0.50	.
EDMONTON	10	6	13	7	1.25	.
FOOTHILLS	5	-5	15	13	0.63	.
FORT MCMURRAY	5	-5	14	14	0.63	.
HIGH LEVEL-FORT VERMILION	0	0	0	25	0.00	.
JASPER NATIONAL PARK	0	0	0	26	0.00	.
LEDUC-STRATHCONA	1	-1	4	22	0.13	.
LETHBRIDGE	7	-1	15	10	0.88	.
MEDICINE HAT	4	-2	9	17	0.50	.
MINBURN-VERMILION	4	-4	12	18	0.50	.
MOUNT VIEW	3	-3	9	21	0.38	.
NORTH EASTERN ALBERTA	16	0	32	3	2.00	.
PEACE RIVER	5	-4	14	15	0.63	.
RED DEER	7	0	13	11	0.88	.
SOUTH PEACE	7	-3	17	12	0.88	.
STONY PLAIN-LAC STE. ANNE	0	0	0	27	0.00	.
STURGEON	4	-2	10	19	0.50	.
VEGREVILLE	10	-4	24	8	1.25	.
WETOKA	4	-4	11	20	0.50	.
ALBERTA	8	6	10	.	.	.

LIVER CIRRHOSIS, MALES, 1986



NUMBER OF DEATHS, 1986

MALES

CONGENITAL ANOMALY

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTA
ALBERTA EAST CENTRAL	3	0	0	0	0	0	0	0	0	0	3
ALBERTA WEST CENTRAL	1	1	0	0	0	0	0	0	0	0	2
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	1	0	0	0	0	0	0	0	0	1
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	12	2	0	0	0	1	0	0	1	0	16
CHINOOK	0	0	0	0	0	0	0	0	0	0	0
DRUMHELLER	1	0	0	0	0	0	0	0	0	0	1
EDMONTON	21	1	2	0	0	0	1	3	0	0	28
FOOTHILLS	0	0	1	0	0	0	0	0	0	0	1
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	3	1	0	0	0	0	0	0	0	0	4
LETHBRIDGE	0	0	0	0	0	0	0	0	0	0	0
MEDICINE HAT	1	0	0	0	0	0	0	0	0	0	1
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	2	0	0	0	0	0	0	0	0	0	2
NORTH EASTERN ALBERTA	1	0	0	0	0	0	0	0	0	0	1
PEACE RIVER	4	0	0	0	0	0	1	0	0	0	5
RED DEER	3	0	0	0	0	0	0	1	0	0	4
SOUTH PEACE	2	0	1	1	0	0	0	0	0	0	4
STONY PLAIN-LAC STE. ANNE	1	1	0	0	0	0	0	0	0	0	2
STURGEON	0	0	0	0	0	0	0	0	0	0	0
VEGREVILLE	1	0	0	0	0	0	1	0	0	1	3
WETOKA	1	0	0	0	0	0	0	0	0	0	1
ALBERTA	57	7	4	1	0	1	3	4	1	1	79

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

CONGENITAL ANOMALY

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	605	0	0	0	0	0	0	0	0	0
ALBERTA WEST CENTRAL	244	55	0	0	0	0	0	0	0	0
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	58	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	227	10	0	0	0	2	0	0	9	0
CHINOOK	0	0	0	0	0	0	0	0	0	0
DRUMHELLER	324	0	0	0	0	0	0	0	0	0
EDMONTON	427	6	6	0	0	0	4	14	0	0
FOOTHILLS	0	0	34	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	308	23	0	0	0	0	0	0	0	0
LETHBRIDGE	0	0	0	0	0	0	0	0	0	0
MEDICINE HAT	131	0	0	0	0	0	0	0	0	0
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	310	0	0	0	0	0	0	0	0	0
NORTH EASTERN ALBERTA	211	0	0	0	0	0	0	0	0	0
PEACE RIVER	905	0	0	0	0	0	47	0	0	0
RED DEER	276	0	0	0	0	0	0	23	0	0
SOUTH PEACE	293	0	19	18	0	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	135	34	0	0	0	0	0	0	0	0
STURGEON	0	0	0	0	0	0	0	0	0	0
VEGREVILLE	383	0	0	0	0	0	63	0	0	99
WETOKA	240	0	0	0	0	0	0	0	0	0
ALBERTA	259	8	2	0	0	1	3	5	2	3

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

CONGENITAL ANOMALY

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	11	-1	23	3	1.83	.
ALBERTA WEST CENTRAL	8	-3	20	6	1.33	.
ATHABASCA	0	0	0	18	0.00	.
BANFF NATIONAL PARK	0	0	0	19	0.00	.
BARONS-EUREKA-WARNER	4	-4	12	14	0.67	.
BIG COUNTRY	0	0	0	20	0.00	.
CALGARY	5	3	8	11	0.83	.
CHINOOK	0	0	0	21	0.00	.
DRUMHELLER	6	-6	17	9	1.00	.
EDMONTON	10	6	14	5	1.67	YES
FOOTHILLS	5	-5	15	12	0.83	.
FORT MCMURRAY	0	0	0	22	0.00	.
HIGH LEVEL-FORT VERMILION	0	0	0	23	0.00	.
JASPER NATIONAL PARK	0	0	0	24	0.00	.
LEDUC-STRATHCONA	7	0	14	7	1.17	.
LETHBRIDGE	0	0	0	25	0.00	.
MEDICINE HAT	2	-2	7	17	0.33	.
MINBURN-VERMILION	0	0	0	26	0.00	.
MOUNT VIEW	6	-2	13	10	1.00	.
NORTH EASTERN ALBERTA	4	-4	11	15	0.67	.
PEACE RIVER	21	3	39	1	3.50	.
RED DEER	7	0	13	8	1.17	.
SOUTH PEACE	11	0	22	4	1.83	.
STONY PLAIN-LAC STE. ANNE	5	-2	11	13	0.83	.
STURGEON	0	0	0	27	0.00	.
VEGREVILLE	15	-3	33	2	2.50	.
WETOKA	4	-4	13	16	0.67	.
ALBERTA	6	5	8	.	.	.

CONGENITAL ANOMALY, MALES, 1986

NUMBER OF DEATHS, 1986
MALES
MOTOR VEHICLE ACCIDENTS

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTA
ALBERTA EAST CENTRAL	0	1	0	2	2	1	1	1	2	1	11
ALBERTA WEST CENTRAL	0	0	1	4	2	0	1	0	0	0	8
ATHABASCA	0	0	1	5	2	1	0	2	1	0	12
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	1	1	1	1	1	0	2	7
BIG COUNTRY	0	0	0	2	0	0	0	0	0	0	2
CALGARY	0	1	1	6	11	3	3	3	1	3	32
CHINOOK	0	0	0	1	2	0	0	0	1	1	5
DRUMHELLER	0	0	0	4	2	0	1	0	1	0	8
EDMONTON	0	1	0	14	6	5	3	3	1	2	35
FOOTHILLS	0	0	1	2	2	1	1	0	0	0	7
FORT MCMURRAY	0	0	0	2	0	0	0	0	0	0	2
HIGH LEVEL-FORT VERMILION	0	0	0	1	1	0	0	0	0	0	2
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	5	3	3	0	0	0	0	11
LETHBRIDGE	0	0	0	2	1	0	2	2	1	1	9
MEDICINE HAT	0	1	0	3	4	1	0	0	0	0	9
MINBURN-VERMILION	0	0	0	5	1	0	1	1	0	1	9
MOUNT VIEW	1	0	0	1	3	1	0	0	0	1	7
NORTH EASTERN ALBERTA	0	0	0	5	2	0	0	1	1	0	9
PEACE RIVER	1	0	0	5	3	3	0	0	1	1	14
RED DEER	0	0	1	6	2	3	0	1	1	1	15
SOUTH PEACE	1	0	1	10	5	2	1	5	1	0	26
STONY PLAIN-LAC STE. ANNE	0	0	0	5	2	2	2	3	0	0	14
STURGEON	0	0	0	7	6	1	3	0	1	0	18
VEGREVILLE	0	0	0	2	0	1	1	2	0	0	6
WETOKA	0	0	1	4	0	1	0	0	1	0	7
ALBERTA	3	4	7	104	63	30	21	25	14	14	285

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

MOTOR VEHICLE ACCIDENTS

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	51	0	46	44	27	36	34	83	70
ALBERTA WEST CENTRAL	0	0	27	106	45	0	51	0	0	0
ATHABASCA	0	0	31	212	82	49	0	177	127	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	29	29	36	51	57	0	276
BIG COUNTRY	0	0	0	191	0	0	0	0	0	0
CALGARY	0	5	2	10	14	6	10	14	9	50
CHINOOK	0	0	0	29	57	0	0	0	66	103
DRUMHELLER	0	0	0	141	64	0	64	0	87	0
EDMONTON	0	6	0	25	9	13	11	14	8	30
FOOTHILLS	0	0	34	84	63	38	62	0	0	0
FORT MCMURRAY	0	0	0	61	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	93	95	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	63	27	29	0	0	0	0
LETHBRIDGE	0	0	0	44	19	0	74	78	51	77
MEDICINE HAT	0	34	0	45	53	20	0	0	0	0
MINBURN-VERMILION	0	0	0	149	29	0	56	55	0	120
MOUNT VIEW	155	0	0	20	43	19	0	0	0	128
NORTH EASTERN ALBERTA	0	0	0	130	53	0	0	56	80	0
PEACE RIVER	226	0	0	135	82	105	0	0	96	137
RED DEER	0	0	11	58	17	38	0	23	34	62
SOUTH PEACE	147	0	19	176	76	46	39	249	84	0
STONY PLAIN-LAC STE. ANNE	0	0	0	101	27	36	69	135	0	0
STURGEON	0	0	0	97	62	12	65	0	53	0
VEGREVILLE	0	0	0	94	0	48	63	112	0	0
WETOKA	0	0	29	127	0	37	0	0	70	0
ALBERTA	14	5	4	49	24	17	19	28	26	45

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986
MOTOR VEHICLE ACCIDENTS

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	36	14	58	13	1.57	.
ALBERTA WEST CENTRAL	37	11	63	10	1.61	.
ATHABASCA	84	36	133	1	3.65	YES
BANFF NATIONAL PARK	0	0	0	26	0.00	.
BARONS-EUREKA-WARNER	32	8	57	16	1.39	.
BIG COUNTRY	33	-13	79	15	1.43	.
CALGARY	10	6	13	25	0.43	.
CHINOOK	23	2	44	20	1.00	.
DRUMHELLER	48	14	81	4	2.09	.
EDMONTON	12	8	16	23	0.52	.
FOOTHILLS	44	11	77	6	1.91	.
FORT MCMURRAY	11	-4	25	24	0.48	.
HIGH LEVEL-FORT VERMILION	37	-14	88	11	1.61	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	21	8	33	22	0.91	.
LETHBRIDGE	28	9	47	17	1.22	.
MEDICINE HAT	24	8	40	19	1.04	.
MINBURN-VERMILION	44	15	74	7	1.91	.
MOUNT VIEW	22	6	37	21	0.96	.
NORTH EASTERN ALBERTA	41	14	69	8	1.78	.
PEACE RIVER	68	32	103	3	2.96	YES
RED DEER	26	13	39	18	1.13	.
SOUTH PEACE	84	52	117	2	3.65	YES
STONY PLAIN-LAC STE. ANNE	45	21	68	5	1.96	YES
STURGEON	40	21	59	9	1.74	YES
VEGREVILLE	37	6	68	12	1.61	.
WETOKA	35	9	61	14	1.52	.
ALBERTA	23	21	26	.	.	.

MOTOR VEHICLE ACCIDENTS, MALES, 1986

NUMBER OF DEATHS, 1986
MALES
SUICIDE

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	1	1	1	0	1	1	0	1	6
ALBERTA WEST CENTRAL	0	0	0	2	0	0	0	2	0	0	4
ATHABASCA	0	0	0	5	2	1	0	1	0	1	10
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	1	0	0	0	0	1	0	2
BIG COUNTRY	0	0	0	0	0	0	1	0	1	0	2
CALGARY	0	0	1	12	13	11	7	7	0	1	52
CHINOOK	0	0	0	0	1	1	0	1	2	1	6
DRUMHELLER	0	0	0	1	2	0	2	1	1	0	7
EDMONTON	0	0	0	14	35	12	14	9	5	2	91
FOOTHILLS	0	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	1	0	0	0	0	1	2
HIGH LEVEL-FORT VERMILION	0	0	0	0	3	1	0	0	0	0	4
JASPER NATIONAL PARK	0	0	0	0	0	1	0	0	0	0	1
LEDUC-STRATHCONA	0	0	0	5	2	1	1	2	1	0	12
LETHBRIDGE	0	0	0	1	1	1	0	1	0	1	5
MEDICINE HAT	0	0	0	0	1	1	0	1	0	0	3
MINBURN-VERMILION	0	0	0	1	1	1	0	0	0	0	3
MOUNT VIEW	0	0	0	0	3	0	0	0	1	1	5
NORTH EASTERN ALBERTA	0	0	0	1	0	0	0	0	1	0	2
PEACE RIVER	0	0	0	2	2	0	2	0	0	0	6
RED DEER	0	0	0	5	2	1	3	1	1	2	15
SOUTH PEACE	0	0	0	2	3	0	0	1	0	0	6
STONY PLAIN-LAC STE. ANNE	0	0	0	3	1	2	1	1	1	0	9
STURGEON	0	0	0	7	3	2	2	1	0	0	15
VEGREVILLE	0	0	1	1	1	1	1	0	0	0	5
WETOKA	0	0	0	0	1	1	1	1	1	0	5
ALBERTA	0	0	3	64	79	38	36	31	16	11	278

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

SUICIDE

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	22	23	22	0	36	34	0	70
ALBERTA WEST CENTRAL	0	0	0	53	0	0	0	162	0	0
ATHABASCA	0	0	0	212	82	49	0	88	0	195
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	29	0	0	0	0	85	0
BIG COUNTRY	0	0	0	0	0	0	149	0	234	0
CALGARY	0	0	2	20	16	23	23	33	0	17
CHINOOK	0	0	0	0	28	36	0	54	132	103
DRUMHELLER	0	0	0	35	64	0	128	62	87	0
EDMONTON	0	0	0	25	53	31	51	42	42	30
FOOTHILLS	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	19	0	0	0	0	1754
HIGH LEVEL-FORT VERMILION	0	0	0	0	285	126	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	441	0	0	0	0
LEDUC-STRATHCONA	0	0	0	63	18	10	21	69	66	0
LETHBRIDGE	0	0	0	22	19	28	0	39	0	77
MEDICINE HAT	0	0	0	0	13	20	0	29	0	0
MINBURN-VERMILION	0	0	0	30	29	41	0	0	0	0
MOUNT VIEW	0	0	0	0	43	0	0	0	69	128
NORTH EASTERN ALBERTA	0	0	0	26	0	0	0	0	80	0
PEACE RIVER	0	0	0	54	55	0	94	0	0	0
RED DEER	0	0	0	48	17	13	58	23	34	125
SOUTH PEACE	0	0	0	35	46	0	0	50	0	0
STONY PLAIN-LAC STE. ANNE	0	0	0	61	14	36	35	45	79	0
STURGEON	0	0	0	97	31	24	43	32	0	0
VEGREVILLE	0	0	42	47	43	48	63	0	0	0
WETOKA	0	0	0	0	30	37	52	53	70	0
ALBERTA	0	0	2	30	30	22	32	35	30	35

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

H UNIT	SUICIDE RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	19	3	36	18	0.83	.
ALBERTA WEST CENTRAL	21	0	42	16	0.91	.
ATHABASCA	73	27	118	2	3.17	YES
BANFF NATIONAL PARK	0	0	0	26	0.00	.
BARONS-EUREKA-WARNER	9	-4	21	23	0.39	.
BIG COUNTRY	24	-10	57	13	1.04	.
CALGARY	16	11	20	21	0.70	.
CHINOOK	24	4	43	14	1.04	.
DRUMHELLER	40	10	70	5	1.74	.
EDMONTON	30	24	37	8	1.30	YES
FOOTHILLS	0	0	0	27	0.00	.
FORT MCMURRAY	49	-39	136	4	2.13	.
HIGH LEVEL-FORT VERMILION	79	1	157	1	3.43	.
JASPER NATIONAL PARK	63	-60	185	3	2.74	.
LEDUC-STRATHCONA	26	11	41	11	1.13	.
LETHBRIDGE	17	2	31	19	0.74	.
MEDICINE HAT	8	-1	17	24	0.35	.
MINBURN-VERMILION	17	-2	37	20	0.74	.
MOUNT VIEW	15	2	29	22	0.65	.
NORTH EASTERN ALBERTA	8	-3	19	25	0.35	.
PEACE RIVER	30	6	54	9	1.30	.
RED DEER	25	13	38	12	1.09	.
SOUTH PEACE	20	4	35	17	0.87	.
STONY PLAIN-LAC STE. ANNE	28	10	47	10	1.22	.
STURGEON	33	16	50	7	1.43	.
VEGREVILLE	36	4	68	6	1.57	.
WETOKA	23	2	44	15	1.00	.
ALBERTA	23	20	25	.	.	.

HIGH LEVEL-FORT VERMILION
1
FORT MCMURRAY
4
PEACE RIVER
9
ATHABASCA
2
SOUTH PEACE
17
STONY PLAIN
LAC
STURGEON
7
NORTH EASTERN ALBERTA
25
ALBERTA WEST CENTRAL
16
STE. ANNE
10
VEGREVILLE
6
11
JASPER
3
LEDUC-STRATHCONA
MINBURN
VERMILION
20
METOKA
15
RED DEER
12
ALBERTA EAST CENTRAL
18
EDMONTON
8
DRUMHELLER
5
BIG COUNTRY
13
BANFF
26
MOUNT VIEW
22
CALGARY
21
FOOTHILLS
27
LETHBRIDGE
19
BARONS
EUREKA
MARNER
MEDICINE HAT
24
CHINOOK
14
23
Alberta
CANADA
HEALTH UNITS

NUMBER OF DEATHS, 1986
MALES
PROSTATE CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	2	8	10
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	1	1	2
ATHABASCA	0	0	0	0	0	0	0	0	2	3	5
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	1	0	1	2
BIG COUNTRY	0	0	0	0	0	0	0	0	0	1	1
CALGARY	0	0	0	0	0	0	0	5	15	21	41
CHINOOK	0	0	0	0	0	0	0	0	1	3	4
DRUMHELLER	0	0	0	0	0	0	0	0	1	3	4
EDMONTON	0	0	0	0	0	0	1	8	11	20	40
FOOTHILLS	0	0	0	0	0	0	0	1	0	0	1
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	2	1	3	6
LETHBRIDGE	0	0	0	0	0	0	0	0	3	5	8
MEDICINE HAT	0	0	0	0	0	0	0	0	6	4	10
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	2	2
MOUNT VIEW	0	0	0	0	0	0	0	2	0	3	5
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	1	2	3	6
PEACE RIVER	0	0	0	0	0	0	0	0	0	3	3
RED DEER	0	0	0	0	0	0	0	0	4	9	13
SOUTH PEACE	0	0	0	0	0	0	0	0	3	2	5
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	2	2
STURGEON	0	0	0	0	0	0	0	2	2	4	8
VEGREVILLE	0	0	0	0	0	0	0	0	3	2	5
WETOKA	0	0	0	0	0	0	0	1	1	5	7
ALBERTA	0	0	0	0	0	0	1	23	58	108	190

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1986

PROSTATE CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	83	557
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	153	258
ATHABASCA	0	0	0	0	0	0	0	0	254	585
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	57	0	138
BIG COUNTRY	0	0	0	0	0	0	0	0	0	373
CALGARY	0	0	0	0	0	0	0	24	138	349
CHINOOK	0	0	0	0	0	0	0	0	66	310
DRUMHELLER	0	0	0	0	0	0	0	0	87	431
EDMONTON	0	0	0	0	0	0	4	37	92	303
FOOTHILLS	0	0	0	0	0	0	0	69	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	69	66	368
LETHBRIDGE	0	0	0	0	0	0	0	0	153	385
MEDICINE HAT	0	0	0	0	0	0	0	0	251	331
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	240
MOUNT VIEW	0	0	0	0	0	0	0	80	0	384
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	56	160	355
PEACE RIVER	0	0	0	0	0	0	0	0	0	411
RED DEER	0	0	0	0	0	0	0	0	138	562
SOUTH PEACE	0	0	0	0	0	0	0	0	253	260
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	347
STURGEON	0	0	0	0	0	0	0	63	106	329
VEGREVILLE	0	0	0	0	0	0	0	0	193	197
WETOKA	0	0	0	0	0	0	0	53	70	562
ALBERTA	0	0	0	0	0	0	1	26	108	348

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986

H UNIT	PROSTATE CANCER RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	18	7	29	6	1.13	.
ALBERTA WEST CENTRAL	13	-5	32	15	0.81	.
ATHABASCA	26	3	49	1	1.63	.
BANFF NATIONAL PARK	0	0	0	24	0.00	.
BARONS-EUREKA-WARNER	8	-3	18	21	0.50	.
BIG COUNTRY	9	-9	28	19	0.56	.
CALGARY	17	12	22	9	1.06	.
CHINOOK	11	0	21	17	0.69	.
DRUMHELLER	15	0	29	13	0.94	.
EDMONTON	15	10	19	14	0.94	.
FOOTHILLS	5	-5	15	23	0.31	.
FORT MCMURRAY	0	0	0	25	0.00	.
HIGH LEVEL-FORT VERMILION	0	0	0	26	0.00	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	17	3	31	10	1.06	.
LETHBRIDGE	16	5	28	11	1.00	.
MEDICINE HAT	19	7	31	5	1.19	.
MINBURN-VERMILION	6	-2	15	22	0.38	.
MOUNT VIEW	16	2	30	12	1.00	.
NORTH EASTERN ALBERTA	20	4	36	3	1.25	.
PEACE RIVER	10	-1	22	18	0.63	.
RED DEER	20	9	31	4	1.25	.
SOUTH PEACE	18	2	33	7	1.13	.
STONY PLAIN-LAC STE. ANNE	9	-3	21	20	0.56	.
STURGEON	18	5	30	8	1.13	.
VEGREVILLE	13	2	25	16	0.81	.
WETOKA	21	5	37	2	1.31	.
ALBERTA	16	13	18	.	.	.

PROSTATE CANCER, MALES, 1986

Chapter 4

DEATHS - FEMALES
1986

DESCRIPTION OF TABLES

This chapter deals with deaths in female population. The layout of Chapter 4 is identical to that of Chapter 3 except that it includes female breast cancer instead of prostate cancer.

The causes of death selected for study are listed along with the rubrics below:

CAUSE OF DEATH	ICD-9 RUBRIC
All Causes	1 - 999
All Cancer	140 - 208
Colon Cancer	153 - 154
Lung Cancer	162
Female Breast Cancer	174
Diabetes Mellitus	250
Ischemic Heart Disease	410 - 414
Cerebrovascular Disease	430 - 438
Pneumonia	480 - 486
Chronic Obstructive Lung Disease	490 - 493, 496
Liver Cirrhosis	571
Congenital Anomaly	740 - 759
Motor Vehicle Accidents	810 - 819
Suicide	950 - 959

The cuases have been ordered in the table and in the chapter in ascending order of rubric number, except for female breast cancer which has been placed at the end of the chapter. Because of this arrangement the tables and figures in this chapter correspond by page numbers.

NUMBER IN POPULATION, FEMALES, 1986

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	505	1894	4267	4040	4353	3599	2715	2984	2443	1806	28606
ALBERTA WEST CENTRAL	441	1625	3472	3340	3927	2724	1541	1062	638	408	19178
ATHABASCA	285	1195	2955	2312	2370	1821	1222	1003	729	476	14368
BANFF NATIONAL PARK	27	95	133	690	638	255	189	168	116	74	2385
BARONS-EUREKA-WARNER	419	1637	3650	2941	3282	2615	1805	1739	1229	829	20146
BIG COUNTRY	113	452	973	916	985	753	610	682	408	346	6238
CALGARY	5124	18712	40860	57279	70921	45280	28887	22250	14852	10884	315049
CHINOOK	436	1653	3799	3121	3355	2548	1896	2048	1570	1169	21595
DRUMHELLER	296	1246	2790	2309	2905	2139	1544	1661	1206	754	16850
EDMONTON	4592	16595	34291	54802	59093	37925	27277	23051	15758	11181	284565
FOOTHILLS	258	1179	2662	2270	3045	2441	1507	1449	1105	748	16664
FORT MCMURRAY	441	1609	3322	3220	4451	2303	759	358	103	56	16622
HIGH LEVEL-FORT VERMILION	177	788	1533	1046	918	676	346	214	122	80	5900
JASPER NATIONAL PARK	22	67	177	409	382	221	173	113	81	56	1701
LEDUC-STRATHCONA	946	4273	10120	6777	11811	9103	4053	2622	1551	1027	52283
LETHBRIDGE	462	1743	3815	4903	5319	3733	2823	2912	2524	1899	30133
MEDICINE HAT	737	2737	5877	6288	7078	4920	3321	3595	2627	1763	38943
MINBURN-VERMILION	317	1296	2858	2870	3136	2231	1665	1639	1326	977	18315
MOUNT VIEW	645	2396	5030	4484	6634	4635	2813	2099	1520	860	31116
NORTH EASTERN ALBERTA	446	1815	4246	3549	3702	3054	1849	1614	1146	853	22274
PEACE RIVER	382	1726	3879	3315	3523	2732	1769	1374	977	711	20388
RED DEER	1054	4011	8585	9963	11016	7659	4745	4372	3098	2103	56606
SOUTH PEACE	618	2542	5077	5142	5944	3843	2276	1787	1088	841	29158
STONY PLAIN-LAC STE. ANNE	667	2787	5871	4635	7081	4849	2378	1820	1095	699	31882
STURGEON	893	3675	8556	6436	9966	7553	3921	2710	1896	1373	46979
VEGREVILLE	247	1011	2317	1764	2385	1896	1523	1788	1511	1126	15568
WETOKA	349	1441	3184	2878	3382	2590	1891	1889	1482	1002	20088
ALBERTA	20899	80200	174299	201699	241602	164098	105498	89003	62201	44101	1183600

AGE DISTRIBUTIONS (IN %)

FEMALES, 1986

HEALTH UNIT	1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	2	7	15	14	15	13	9	10	9	6
Alberta West Central	3	8	18	17	20	14	8	6	3	2
Athabasca	2	8	21	16	16	13	9	7	5	3
Banff National Park	1	4	6	29	27	11	8	7	5	3
Barons-Eureka-Warner	2	8	18	15	16	13	9	9	6	4
Big Country	2	7	16	15	16	12	10	11	7	6
Calgary	2	6	13	18	23	14	9	7	5	3
Chinook	2	8	18	14	16	12	9	9	7	5
Drumheller	2	7	17	14	17	13	9	10	7	4
Edmonton	2	6	12	19	21	13	10	8	6	4
Foothills	2	7	16	14	18	15	9	9	7	4
Fort McMurray	3	10	20	19	27	14	5	2	1	0
High Level-Fort Vermilion	3	13	26	18	16	11	6	4	2	1
Jasper National Park	1	4	10	24	22	13	10	7	5	3
Leduc-Strathcona	2	8	19	13	23	17	8	5	3	2
Lethbridge	2	6	13	16	18	12	9	10	8	6
Medicine Hat	2	7	15	16	18	13	9	9	7	5
Minburn-Vermilion	2	7	16	16	17	12	9	9	7	5
Mount View	2	8	16	14	21	15	9	7	5	3
North Eastern Alberta	2	8	19	16	17	14	8	7	5	4
Peace River	2	8	19	16	17	13	9	7	5	3
Red Deer	2	7	15	18	19	14	8	8	7	4
South Peace/Grande Prairie	2	9	17	18	20	13	8	6	4	3
Stony Plain-Lac Ste. Anne	2	9	18	15	22	15	7	6	3	2
Sturgeon	2	8	18	14	21	16	8	6	4	3
Vegreville	2	6	15	11	15	12	10	11	10	7
Wetoka	2	7	16	14	17	13	9	9	7	5
Alberta	2	7	15	17	20	14	9	8	5	4

NUMBER OF DEATHS, 1986
FEMALES
ALL CAUSES

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	1	0	2	2	4	5	15	43	117	189
ALBERTA WEST CENTRAL	3	1	0	3	4	4	7	16	7	29	74
ATHABASCA	4	0	1	3	2	1	2	12	13	34	72
BANFF NATIONAL PARK	0	0	0	1	0	0	0	0	1	4	6
BARONS-EUREKA-WARNER	1	0	0	1	5	0	7	12	13	39	78
BIG COUNTRY	0	0	0	0	0	1	2	1	3	19	26
CALGARY	31	4	3	20	29	47	72	150	281	726	1363
CHINOOK	4	0	0	3	4	2	3	10	22	71	119
DRUMHELLER	0	0	1	0	1	2	6	7	21	52	90
EDMONTON	45	12	5	28	35	42	73	167	249	703	1359
FOOTHILLS	0	0	0	0	0	3	1	3	19	52	78
FORT MCMURRAY	2	0	0	1	1	0	3	0	4	6	17
HIGH LEVEL-FORT VERMILION	4	0	0	1	0	1	1	3	1	5	16
JASPER NATIONAL PARK	1	0	0	0	0	0	1	2	1	6	11
LEDUC-STRATHCONA	9	2	3	1	3	14	7	11	27	77	154
LETHBRIDGE	2	0	1	3	4	8	5	16	31	135	205
MEDICINE HAT	2	0	1	5	2	5	11	15	45	87	173
MINBURN-VERMILION	1	4	0	3	1	1	2	12	30	65	119
MOUNT VIEW	3	1	0	2	2	5	8	15	22	65	123
NORTH EASTERN ALBERTA	1	0	2	5	4	7	5	4	15	56	99
PEACE RIVER	5	1	1	0	3	4	7	10	15	37	83
RED DEER	9	2	4	6	6	8	12	25	38	143	253
SOUTH PEACE	4	2	1	1	2	5	7	17	17	73	129
STONY PLAIN-LAC STE. ANNE	8	1	0	2	3	3	6	15	18	46	102
STURGEON	4	1	2	5	3	6	10	21	28	81	161
VEGREVILLE	0	2	1	1	0	2	2	11	19	49	87
WETOKA	2	0	0	3	1	4	3	15	33	58	119
ALBERTA	145	34	26	100	117	179	268	585	1016	2835	5305

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

ALL CAUSES

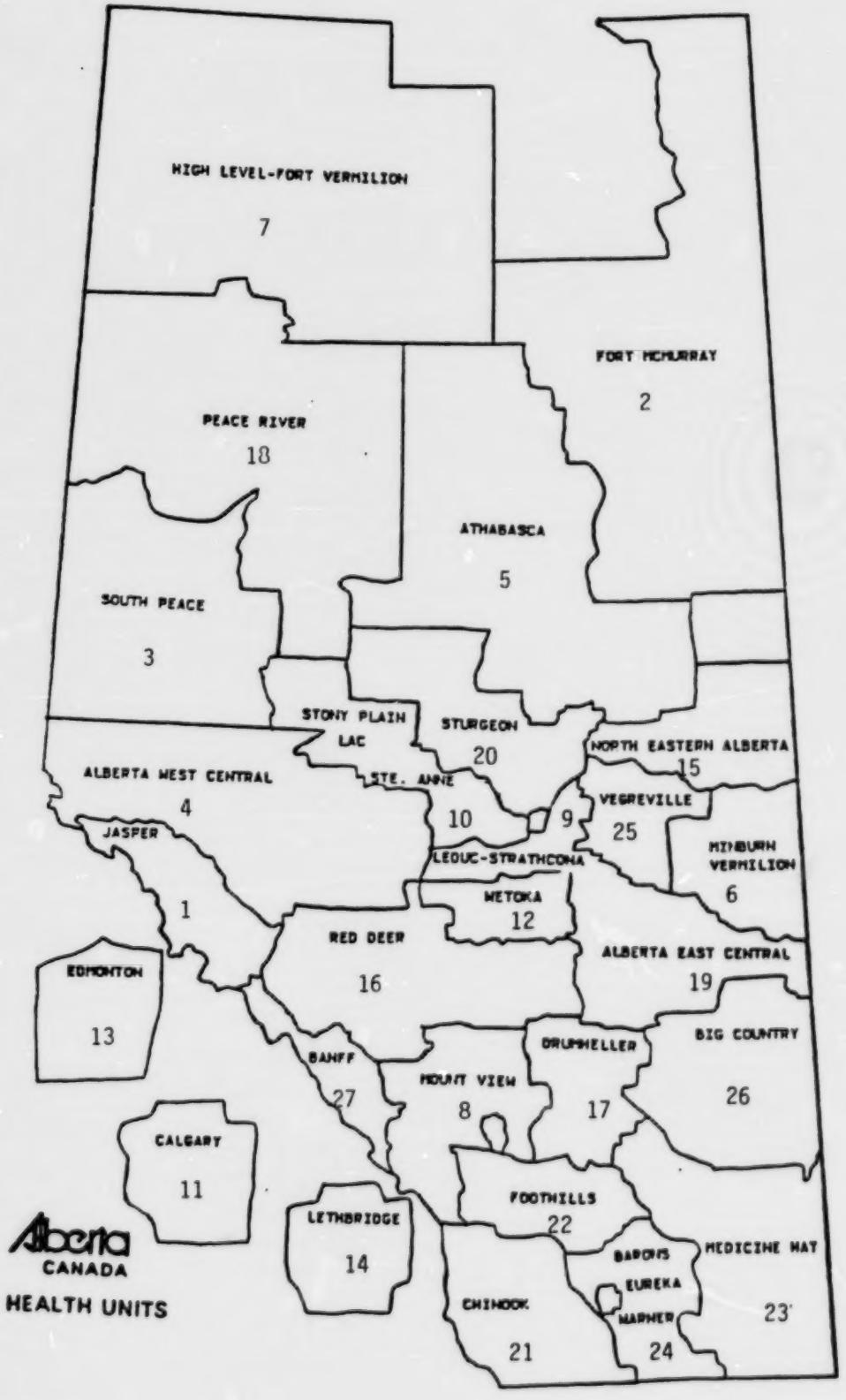
H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	53	0	50	46	111	184	503	1760	6478
ALBERTA WEST CENTRAL	680	62	0	90	102	147	454	1507	1097	7108
ATHABASCA	1404	0	34	130	84	55	164	1196	1783	7143
BANFF NATIONAL PARK	0	0	0	145	0	0	0	0	862	5405
BARONS-EUREKA-WARNER	239	0	0	34	152	0	388	690	1058	4704
BIG COUNTRY	0	0	0	0	0	133	328	147	735	5491
CALGARY	605	21	7	35	41	104	249	674	1892	6670
CHINOOK	917	0	0	96	119	78	158	488	1401	6074
DRUMHELLER	0	0	36	0	34	94	389	421	1741	6897
EDMONTON	980	72	15	51	59	111	268	724	1580	6287
FOOTHILLS	0	0	0	0	0	123	66	207	1719	6952
FORT MCMURRAY	454	0	0	31	22	0	395	0	3883	10714
HIGH LEVEL-FORT VERMILION	2260	0	0	96	0	148	289	1402	820	6250
JASPER NATIONAL PARK	4545	0	0	0	0	0	578	1770	1235	10714
LEDUC-STRATHCONA	951	47	30	15	25	154	173	420	1741	7498
LETHBRIDGE	433	0	26	61	75	214	177	549	1228	7109
MEDICINE HAT	271	0	17	80	28	102	331	417	1713	4935
MINBURN-VERMILION	315	309	0	105	32	45	120	732	2262	6653
MOUNT VIEW	465	42	0	45	30	108	284	715	1447	7558
NORTH EASTERN ALBERTA	224	0	47	141	108	229	270	248	1309	6565
PEACE RIVER	1309	58	26	0	85	146	396	728	1535	5204
RED DEER	854	50	47	60	54	104	253	572	1227	6800
SOUTH PEACE	647	79	20	19	34	130	308	951	1563	8680
STONY PLAIN-LAC STE. ANNE	1199	36	0	43	42	62	252	824	1644	6581
STURGEON	448	27	23	78	30	79	255	775	1477	5899
VEGREVILLE	0	198	43	57	0	105	131	615	1257	4352
WETOKA	573	0	0	104	30	154	159	794	2227	5788
ALBERTA	694	42	15	50	48	109	254	657	1633	6428

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

ALL CAUSES

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	425	363	487	19	0.95	.
ALBERTA WEST CENTRAL	549	421	677	4	1.23	.
ATHABASCA	541	416	666	5	1.21	.
BANFF NATIONAL PARK	271	50	493	27	0.60	.
BARONS-EUREKA-WARNER	358	278	438	24	0.80	.
BIG COUNTRY	302	184	419	26	0.67	.
CALGARY	463	438	487	11	1.03	.
CHINOOK	419	342	495	21	0.94	.
DRUMHELLER	440	349	531	17	0.98	.
EDMONTON	456	432	480	13	1.02	.
FOOTHILLS	388	302	474	22	0.87	.
FORT MCMURRAY	656	277	1036	2	1.46	.
HIGH LEVEL-FORT VERMILION	484	220	748	7	1.08	.
JASPER NATIONAL PARK	729	296	1162	1	1.63	.
LEDUC-STRATHCONA	471	394	548	9	1.05	.
LETHBRIDGE	454	390	517	14	1.01	.
MEDICINE HAT	375	319	432	23	0.84	.
MINBURN-VERMILION	490	401	578	6	1.09	.
MOUNT VIEW	477	392	561	8	1.06	.
NORTH EASTERN ALBERTA	445	357	533	15	0.99	.
PEACE RIVER	433	340	526	18	0.97	.
RED DEER	445	390	499	16	0.99	.
SOUTH PEACE	552	456	648	3	1.23	YES
STONY PLAIN-LAC STE. ANNE	464	372	556	10	1.04	.
STURGEON	422	356	488	20	0.94	.
VEGREVILLE	330	258	403	25	0.74	.
WETOKA	462	378	546	12	1.03	.
ALBERTA	448	436	460	.	.	.

ALL CAUSES, FEMALES, 1986



NUMBER OF DEATHS, 1986
FEMALES
ALL CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	1	4	0	10	13	20	48
ALBERTA WEST CENTRAL	0	0	0	0	1	1	1	7	3	5	18
ATHABASCA	0	0	0	0	0	0	1	6	4	5	16
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	1	0	1
BARONS-EUREKA-WARNER	0	0	0	0	1	0	5	7	6	5	24
BIG COUNTRY	0	0	0	0	0	0	1	0	1	4	6
CALGARY	0	0	0	2	9	24	42	76	98	101	352
CHINOOK	0	0	0	1	1	0	1	3	9	12	27
DRUMHELLER	0	0	0	0	0	2	4	2	4	7	19
EDMONTON	0	1	2	1	9	15	43	66	92	142	371
FOOTHILLS	0	0	0	0	0	2	0	2	6	5	15
FORT MCMURRAY	0	0	0	0	1	0	1	0	1	0	3
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	1	1	1	1	1	5
JASPER NATIONAL PARK	0	0	0	0	0	0	0	2	0	2	4
LEDUC-STRATHCONA	0	0	0	0	2	5	4	6	12	13	42
LETHBRIDGE	0	0	0	0	1	2	2	7	12	27	51
MEDICINE HAT	0	0	0	0	0	0	5	3	17	16	41
MINBURN-VERMILION	0	1	0	1	0	1	1	3	8	10	25
MOUNT VIEW	0	0	0	0	0	1	3	8	11	14	37
NORTH EASTERN ALBERTA	0	0	1	1	1	3	3	1	7	8	25
PEACE RIVER	0	0	0	0	1	1	4	4	4	7	21
RED DEER	0	0	0	0	2	4	4	11	17	25	63
SOUTH PEACE	0	0	1	0	0	2	5	6	9	10	33
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	1	4	10	6	5	26
STURGEON	0	0	0	0	1	3	4	13	12	9	42
VEGREVILLE	0	0	0	0	0	0	1	2	3	8	14
WETOKA	0	0	0	0	0	1	1	8	13	9	32
ALBERTA	0	2	4	6	31	73	141	264	370	470	1361

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

ALL CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75 +
ALBERTA EAST CENTRAL	0	0	0	0	23	111	0	335	532	1107
ALBERTA WEST CENTRAL	0	0	0	0	25	37	65	659	470	1225
ATHABASCA	0	0	0	0	0	0	82	598	549	1050
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	862	0
BARONS-EUREKA-WARNER	0	0	0	0	30	0	277	403	488	603
BIG COUNTRY	0	0	0	0	0	0	164	0	245	1156
CALGARY	0	0	0	3	13	53	145	342	660	928
CHINOOK	0	0	0	32	30	0	53	146	573	1027
DRUMHELLER	0	0	0	0	0	94	259	120	332	928
EDMONTON	0	6	6	2	15	40	158	286	584	1270
FOOTHILLS	0	0	0	0	0	82	0	138	543	668
FORT MCMURRAY	0	0	0	0	22	0	132	0	971	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	148	289	467	820	1250
JASPER NATIONAL PARK	0	0	0	0	0	0	0	1770	0	3571
LEDUC-STRATHCONA	0	0	0	0	17	55	99	229	774	1266
LETHBRIDGE	0	0	0	0	19	54	71	240	475	1422
MEDICINE HAT	0	0	0	0	0	0	151	83	647	908
MINBURN-VERMILION	0	77	0	35	0	45	60	183	603	1024
MOUNT VIEW	0	0	0	0	0	22	107	381	724	1628
NORTH EASTERN ALBERTA	0	0	24	28	27	98	162	62	611	938
PEACE RIVER	0	0	0	0	28	37	226	291	409	985
RED DEER	0	0	0	0	18	52	84	252	549	1189
SOUTH PEACE	0	0	20	0	0	52	220	336	827	1189
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	21	168	549	548	715
STURGEON	0	0	0	0	10	40	102	480	633	655
VEGREVILLE	0	0	0	0	0	0	66	112	199	710
WETOKA	0	0	0	0	0	39	53	424	877	898
ALBERTA	0	2	2	3	13	44	134	297	595	1066

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

ALL CANCER

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	115	81	148	11	1.00	.
ALBERTA WEST CENTRAL	136	72	200	5	1.18	.
ATHABASCA	120	61	179	9	1.04	.
BANFF NATIONAL PARK	45	-43	134	27	0.39	.
BARONS-EUREKA-WARNER	109	65	153	18	0.95	.
BIG COUNTRY	71	14	127	24	0.62	.
CALGARY	118	106	131	10	1.03	.
CHINOOK	96	59	132	21	0.83	.
DRUMHELLER	97	53	141	20	0.84	.
EDMONTON	124	111	136	7	1.08	.
FOOTHILLS	75	37	113	23	0.65	.
FORT MCMURRAY	67	-36	170	25	0.58	.
HIGH LEVEL-FORT VERMILION	171	15	327	2	1.49	.
JASPER NATIONAL PARK	266	5	527	1	2.31	.
LEDUC-STRATHCONA	125	86	164	6	1.09	.
LETHBRIDGE	114	82	146	13	0.99	.
MEDICINE HAT	88	61	114	22	0.77	.
MINBURN-VERMILION	106	64	149	19	0.92	.
MOUNT VIEW	140	94	185	4	1.22	.
NORTH EASTERN ALBERTA	114	69	158	14	0.99	.
PEACE RIVER	111	64	159	15	0.97	.
RED DEER	111	83	138	16	0.97	.
SOUTH PEACE	143	94	192	3	1.24	.
STONY PLAIN-LAC STE. ANNE	115	70	159	12	1.00	.
STURGEON	110	77	144	17	0.96	.
VEGREVILLE	51	24	78	26	0.44	.
WETOKA	121	79	164	8	1.05	.
ALBERTA	115	109	121	.	.	.

ALL CANCER, FEMALES, 1986

NUMBER OF DEATHS, 1986
FEMALES
COLON CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	1	3	4
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	1	1	2
ATHABASCA	0	0	0	0	0	0	0	0	3	1	4
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	1	0	0	1	2
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	2	2	5	4	12	18	43
CHINOOK	0	0	0	0	0	0	0	1	3	0	4
DRUMHELLER	0	0	0	0	0	0	1	0	1	0	2
EDMONTON	0	0	0	0	0	0	1	6	9	24	40
FOOTHILLS	0	0	0	0	0	1	0	2	1	0	4
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	1	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	1	1	2
LETHBRIDGE	0	0	0	0	0	0	0	0	2	7	9
MEDICINE HAT	0	0	0	0	0	0	0	0	3	2	5
MINBURN-VERMILION	0	0	0	0	0	0	0	0	1	2	3
MOUNT VIEW	0	0	0	0	0	0	1	1	1	1	4
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	2	2	4
PEACE RIVER	0	0	0	0	0	0	0	0	0	3	3
RED DEER	0	0	0	0	0	0	1	0	2	6	9
SOUTH PEACE	0	0	0	0	0	0	0	2	2	1	5
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	1	2	0	0	3
STURGEON	0	0	0	0	0	0	0	3	3	2	8
VEGREVILLE	0	0	0	0	0	0	0	1	1	2	4
WETOKA	0	0	0	0	0	1	0	2	1	2	6
ALBERTA	0	0	0	0	2	4	11	24	50	81	172

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

COLON CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	41	166
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	157	245
ATHABASCA	0	0	0	0	0	0	0	0	412	210
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	55	0	0	121
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	3	4	17	18	81	165
CHINOOK	0	0	0	0	0	0	0	49	191	0
DRUMHELLER	0	0	0	0	0	0	65	0	83	0
EDMONTON	0	0	0	0	0	0	4	26	57	215
FOOTHILLS	0	0	0	0	0	41	0	138	90	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	1250
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1786
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	64	97
LETHBRIDGE	0	0	0	0	0	0	0	0	79	369
MEDICINE HAT	0	0	0	0	0	0	0	0	114	113
MINBURN-VERMILION	0	0	0	0	0	0	0	0	75	205
MOUNT VIEW	0	0	0	0	0	0	36	48	66	116
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	175	234
PEACE RIVER	0	0	0	0	0	0	0	0	0	422
RED DEER	0	0	0	0	0	0	21	0	65	285
SOUTH PEACE	0	0	0	0	0	0	0	112	184	119
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	42	110	0	0
STURGEON	0	0	0	0	0	0	0	111	158	146
VEGREVILLE	0	0	0	0	0	0	0	56	66	178
WETOKA	0	0	0	0	0	39	0	106	67	200
ALBERTA	0	0	0	0	1	2	10	27	80	184

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

COLON CANCER

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	8	0	17	23	0.53	.
ALBERTA WEST CENTRAL	17	-7	41	10	1.13	.
ATHABASCA	29	1	58	3	1.93	.
BANFF NATIONAL PARK	0	0	0	25	0.00	.
BARONS-EUREKA-WARNER	9	-4	23	22	0.60	.
BIG COUNTRY	0	0	0	26	0.00	.
CALGARY	14	10	19	14	0.93	.
CHINOOK	14	0	27	15	0.93	.
DRUMHELLER	10	-4	24	20	0.67	.
EDMONTON	13	9	17	17	0.87	.
FOOTHILLS	21	0	41	7	1.40	.
FORT MCMURRAY	0	0	0	27	0.00	.
HIGH LEVEL-FORT VERMILION	47	-45	138	2	3.13	.
JASPER NATIONAL PARK	67	-64	197	1	4.47	.
LEDUC-STRATHCONA	7	-3	17	24	0.47	.
LETHBRIDGE	18	6	30	8	1.20	.
MEDICINE HAT	10	1	19	21	0.67	.
MINBURN-VERMILION	12	-2	25	18	0.80	.
MOUNT VIEW	15	0	29	13	1.00	.
NORTH EASTERN ALBERTA	18	0	35	9	1.20	.
PEACE RIVER	16	-2	34	11	1.07	.
RED DEER	16	6	26	12	1.07	.
SOUTH PEACE	23	3	42	5	1.53	.
STONY PLAIN-LAC STE. ANNE	12	-2	26	19	0.80	.
STURGEON	22	7	37	6	1.47	.
VEGREVILLE	14	0	28	16	0.93	.
WETOKA	24	5	44	4	1.60	.
ALBERTA	15	12	17	.	.	.

COLON CANCER, FEMALES, 1986

NUMBER OF DEATHS, 1986
FEMALES
LUNG CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	2	4	3	9
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	3	0	0	3
ATHABASCA	0	0	0	0	0	0	0	1	1	1	3
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	1	0	1
BARONS-EUREKA-WARNER	0	0	0	0	0	0	1	3	2	0	6
BIG COUNTRY	0	0	0	0	0	0	1	0	0	1	2
CALGARY	0	0	0	0	0	3	4	19	13	14	53
CHINOOK	0	0	0	0	0	0	0	0	3	0	3
DRUMHELLER	0	0	0	0	0	0	0	1	1	0	2
EDMONTON	0	0	0	0	0	2	7	7	13	17	46
FOOTHILLS	0	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	1	0	1	1	0	3
LETHBRIDGE	0	0	0	0	0	0	0	1	4	2	7
MEDICINE HAT	0	0	0	0	0	0	1	1	1	1	4
MINBURN-VERMILION	0	0	0	0	0	0	1	1	1	1	4
MOUNT VIEW	0	0	0	0	0	0	0	1	3	0	4
NORTH EASTERN ALBERTA	0	0	0	0	0	1	1	0	0	2	4
PEACE RIVER	0	0	0	0	0	0	0	3	0	0	3
RED DEER	0	0	0	0	0	1	0	3	2	3	9
SOUTH PEACE	0	0	0	0	0	1	1	1	1	1	5
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	1	0	0	1
STURGEON	0	0	0	0	0	0	1	1	0	0	2
VEGREVILLE	0	0	0	0	0	0	0	0	0	0	0
WETOKA	0	0	0	0	0	0	0	3	2	0	5
ALBERTA	0	0	0	0	0	9	18	53	53	46	179

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

LUNG CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	67	164	166
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	282	0	0
ATHABASCA	0	0	0	0	0	0	0	100	137	210
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	862	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	55	173	163	0
BIG COUNTRY	0	0	0	0	0	0	164	0	0	289
CALGARY	0	0	0	0	0	7	14	85	88	129
CHINOOK	0	0	0	0	0	0	0	0	191	0
DRUMHELLER	0	0	0	0	0	0	0	60	83	0
EDMONTON	0	0	0	0	0	5	26	30	82	152
FOOTHILLS	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	11	0	38	64	0
LETHBRIDGE	0	0	0	0	0	0	0	34	158	105
MEDICINE HAT	0	0	0	0	0	0	30	28	38	57
MINBURN-VERMILION	0	0	0	0	0	0	60	61	75	102
MOUNT VIEW	0	0	0	0	0	0	0	48	197	0
NORTH EASTERN ALBERTA	0	0	0	0	0	33	54	0	0	234
PEACE RIVER	0	0	0	0	0	0	0	218	0	0
RED DEER	0	0	0	0	0	13	0	69	65	143
SOUTH PEACE	0	0	0	0	0	26	44	56	92	119
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	55	0	0
STURGEON	0	0	0	0	0	0	26	37	0	0
VEGREVILLE	0	0	0	0	0	0	0	0	0	0
WETOKA	0	0	0	0	0	0	0	159	135	0
ALBERTA	0	0	0	0	0	5	17	60	85	104

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

LUNG CANCER

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	20	7	33	7	1.33	.
ALBERTA WEST CENTRAL	21	-3	45	5	1.40	.
ATHABASCA	23	-3	48	4	1.53	.
BANFF NATIONAL PARK	45	-43	134	1	3.00	.
BARONS-EUREKA-WARNER	26	5	48	2	1.73	.
BIG COUNTRY	25	-10	61	3	1.67	.
CALGARY	18	13	23	9	1.20	.
CHINOOK	10	-1	21	17	0.67	.
DRUMHELLER	9	-3	21	18	0.60	.
EDMONTON	15	11	20	14	1.00	.
FOOTHILLS	0	0	0	23	0.00	.
FORT MCMURRAY	0	0	0	24	0.00	.
HIGH LEVEL-FORT VERMILION	0	0	0	25	0.00	.
JASPER NATIONAL PARK	0	0	0	26	0.00	.
LEDUC-STRATHCONA	8	-1	17	20	0.53	.
LETHBRIDGE	15	4	26	15	1.00	.
MEDICINE HAT	9	0	18	19	0.60	.
MINBURN-VERMILION	18	0	35	10	1.20	.
MOUNT VIEW	14	0	28	16	0.93	.
NORTH EASTERN ALBERTA	18	0	36	11	1.20	.
PEACE RIVER	16	-2	35	12	1.07	.
RED DEER	16	5	26	13	1.07	.
SOUTH PEACE	21	2	39	6	1.40	.
STONY PLAIN-LAC STE. ANNE	4	-4	12	22	0.27	.
STURGEON	5	-2	12	21	0.33	.
VEGREVILLE	0	0	0	27	0.00	.
WETOKA	19	2	36	8	1.27	.
ALBERTA	15	13	17	.	.	.

LUNG CANCER, FEMALES, 1986

NUMBER OF DEATHS, 1986
FEMALES
DIABETES MELLITUS

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTA
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	1	3	4
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	1	1	2	4
ATHABASCA	0	0	0	0	0	0	0	0	0	4	4
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	2	2
BIG COUNTRY	0	0	0	0	0	0	0	0	0	1	1
CALGARY	0	0	0	0	0	0	1	2	4	8	15
CHINOOK	0	0	0	0	0	0	0	0	1	0	1
DRUMHELLER	0	0	0	0	0	0	0	1	0	2	3
EDMONTON	0	0	0	0	1	0	1	4	2	15	23
FOOTHILLS	0	0	0	0	0	0	0	0	2	2	4
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	2	2
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
LEDUC-STRATHCONA	0	0	0	0	0	0	0	1	0	3	4
LETHBRIDGE	0	0	0	0	0	0	1	0	0	4	5
MEDICINE HAT	0	0	0	0	0	0	1	0	0	0	1
MINBURN-VERMILION	0	0	0	0	0	0	0	0	1	1	2
MOUNT VIEW	0	0	0	0	0	0	0	0	0	1	1
NORTH EASTERN ALBERTA	0	0	0	1	0	0	0	0	0	3	4
PEACE RIVER	0	0	0	0	0	0	0	0	0	0	0
RED DEER	0	0	0	0	0	0	0	1	0	3	4
SOUTH PEACE	0	0	0	0	0	0	0	2	0	2	4
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	3	3
STURGEON	0	0	0	0	0	0	0	0	1	2	3
VEGREVILLE	0	0	0	0	0	1	0	1	0	5	7
WETOKA	0	0	0	0	0	0	0	1	1	1	3
ALBERTA	0	0	0	1	1	1	4	14	14	70	105

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

DIABETES MELLITUS

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	41	166
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	94	157	490
ATHABASCA	0	0	0	0	0	0	0	0	0	840
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	241
BIG COUNTRY	0	0	0	0	0	0	0	0	0	289
CALGARY	0	0	0	0	0	0	3	9	27	74
CHINOOK	0	0	0	0	0	0	0	0	64	0
DRUMHELLER	0	0	0	0	0	0	0	60	0	265
EDMONTON	0	0	0	0	2	0	4	17	13	134
FOOTHILLS	0	0	0	0	0	0	0	0	181	267
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	2500
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1786
LEDUC-STRATHCONA	0	0	0	0	0	0	0	38	0	292
LETHBRIDGE	0	0	0	0	0	0	35	0	0	211
MEDICINE HAT	0	0	0	0	0	0	30	0	0	0
MINBURN-VERMILION	0	0	0	0	0	0	0	0	75	102
MOUNT VIEW	0	0	0	0	0	0	0	0	0	116
NORTH EASTERN ALBERTA	0	0	0	28	0	0	0	0	0	352
PEACE RIVER	0	0	0	0	0	0	0	0	0	0
RED DEER	0	0	0	0	0	0	0	23	0	143
SOUTH PEACE	0	0	0	0	0	0	0	112	0	238
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	429
STURGEON	0	0	0	0	0	0	0	0	53	146
VEGREVILLE	0	0	0	0	0	53	0	56	0	444
WETOKA	0	0	0	0	0	0	0	53	67	100
ALBERTA	0	0	0	0	0	1	4	16	23	159

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

H UNIT	DIABETES MELLITUS RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	8	0	17	16	0.89	.
ALBERTA WEST CENTRAL	34	1	67	3	3.78	.
ATHABASCA	31	1	62	4	3.44	.
BANFF NATIONAL PARK	0	0	0	25	0.00	.
BARONS-EUREKA-WARNER	9	-3	21	15	1.00	.
BIG COUNTRY	11	-10	32	12	1.22	.
CALGARY	5	3	8	21	0.56	.
CHINOOK	3	-3	10	23	0.33	.
DRUMHELLER	14	-2	31	10	1.56	.
EDMONTON	8	5	11	17	0.89	.
FOOTHILLS	19	0	39	6	2.11	.
FORT MCMURRAY	0	0	0	26	0.00	.
HIGH LEVEL-FORT VERMILION	93	-36	222	1	10.33	.
JASPER NATIONAL PARK	67	-64	197	2	7.44	.
LEDUC-STRATHCONA	14	0	27	11	1.56	.
LETHBRIDGE	11	1	21	13	1.22	.
MEDICINE HAT	3	-3	8	24	0.33	.
MINBURN-VERMILION	8	-3	19	18	0.89	.
MOUNT VIEW	4	-4	13	22	0.44	.
NORTH EASTERN ALBERTA	18	0	35	7	2.00	.
PEACE RIVER	0	0	0	27	0.00	.
RED DEER	7	0	14	20	0.78	.
SOUTH PEACE	17	0	34	8	1.89	.
STONY PLAIN-LAC STE. ANNE	16	-2	34	9	1.78	.
STURGEON	8	-1	17	19	0.89	.
VEGREVILLE	28	6	50	5	3.11	YES
WETOKA	11	-1	24	14	1.22	.
ALBERTA	9	7	11	.	.	.

DIABETES MELLITUS, FEMALES, 1986

NUMBER OF DEATHS, 1986
FEMALES
ISCHEMIC HEART DISEASE

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	1	3	9	31	44
ALBERTA WEST CENTRAL	0	0	0	0	0	0	2	4	0	9	15
ATHABASCA	0	0	0	0	0	0	0	2	3	4	9
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	2	2
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	2	12	14
BIG COUNTRY	0	0	0	0	0	0	0	1	0	6	7
CALGARY	0	0	0	0	0	1	2	17	51	174	245
CHINOOK	0	0	0	0	0	1	1	4	2	16	24
DRUMHELLER	0	0	0	0	0	0	0	1	7	15	23
EDMONTON	0	0	0	0	0	3	1	28	53	174	259
FOOTHILLS	0	0	0	0	0	0	0	1	2	10	13
FORT MCMURRAY	0	0	0	0	0	0	0	0	2	2	4
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	1	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	4	23	27
LETHBRIDGE	0	0	0	0	0	0	1	3	6	27	37
MEDICINE HAT	0	0	0	0	0	0	1	7	14	34	56
MINBURN-VERMILION	0	0	0	0	0	0	0	4	11	20	35
MOUNT VIEW	0	0	0	0	0	0	1	0	5	16	22
NORTH EASTERN ALBERTA	0	0	0	0	0	1	0	1	3	15	20
PEACE RIVER	0	0	0	0	0	0	0	0	5	10	15
RED DEER	0	0	0	0	0	0	0	4	9	33	46
SOUTH PEACE	0	0	0	0	0	0	0	5	1	19	25
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	5	16	21
STURGEON	0	0	0	0	0	0	0	4	5	26	35
VEGREVILLE	0	0	0	0	0	0	0	2	5	10	17
WETOKA	0	0	0	0	0	0	1	4	9	12	26
ALBERTA	0	0	0	0	0	6	11	95	213	717	1042

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

ISCHEMIC HEART DISEASE

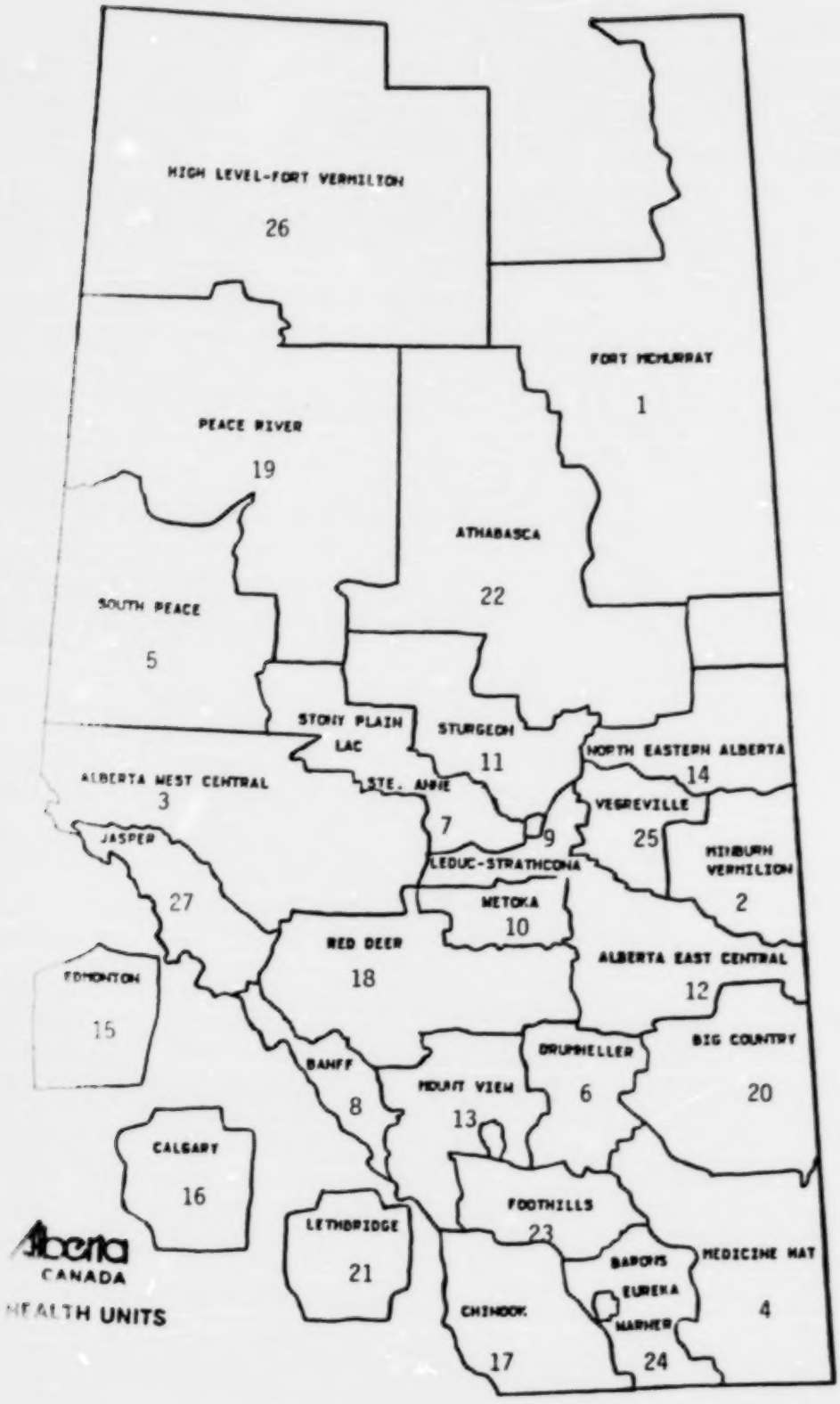
H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	37	101	368	1717
ALBERTA WEST CENTRAL	0	0	0	0	0	0	130	377	0	2206
ATHABASCA	0	0	0	0	0	0	0	199	412	840
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	2703
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	163	1448
BIG COUNTRY	0	0	0	0	0	0	0	147	0	1734
CALGARY	0	0	0	0	0	2	7	76	343	1599
CHINOOK	0	0	0	0	0	39	53	195	127	1369
DRUMHELLER	0	0	0	0	0	0	0	60	580	1989
EDMONTON	0	0	0	0	0	8	4	121	336	1556
FOOTHILLS	0	0	0	0	0	0	0	69	181	1337
FORT MCMURRAY	0	0	0	0	0	0	0	0	1942	3571
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	1250
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	258	2240
LETHBRIDGE	0	0	0	0	0	0	35	103	238	1422
MEDICINE HAT	0	0	0	0	0	0	30	195	533	1929
MINBURN-VERMILION	0	0	0	0	0	0	0	244	830	2047
MOUNT VIEW	0	0	0	0	0	0	36	0	329	1860
NORTH EASTERN ALBERTA	0	0	0	0	0	33	0	62	262	1758
PEACE RIVER	0	0	0	0	0	0	0	0	512	1406
RED DEER	0	0	0	0	0	0	0	91	291	1569
SOUTH PEACE	0	0	0	0	0	0	0	280	92	2259
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	457	2289
STURGEON	0	0	0	0	0	0	0	148	264	1894
VEGREVILLE	0	0	0	0	0	0	0	112	331	888
WETOKA	0	0	0	0	0	0	53	212	607	1198
ALBERTA	0	0	0	0	0	4	10	107	342	1626

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

ISCHEMIC HEART DISEASE

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	94	66	122	12	1.07	.
ALBERTA WEST CENTRAL	122	60	185	3	1.39	.
ATHABASCA	68	24	112	22	0.77	.
BANFF NATIONAL PARK	101	-39	240	8	1.15	.
BARONS-EUREKA-WARNER	62	30	95	24	0.70	.
BIG COUNTRY	76	20	132	20	0.86	.
CALGARY	84	74	95	16	0.95	.
CHINOOK	83	49	116	17	0.94	.
DRUMHELLER	109	64	154	6	1.24	.
EDMONTON	86	76	97	15	0.98	.
FOOTHILLS	65	29	100	23	0.74	.
FORT MCMURRAY	235	3	468	1	2.67	.
HIGH LEVEL-FORT VERMILION	47	-45	138	26	0.53	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	97	60	134	9	1.10	.
LETHBRIDGE	76	52	101	21	0.86	.
MEDICINE HAT	117	86	148	4	1.33	YES
MINBURN-VERMILION	138	92	184	2	1.57	YES
MOUNT VIEW	90	52	127	13	1.02	.
NORTH EASTERN ALBERTA	88	50	127	14	1.00	.
PEACE RIVER	79	39	119	19	0.90	.
RED DEER	81	57	104	18	0.92	.
SOUTH PEACE	110	67	153	5	1.25	.
STONY PLAIN-LAC STE. ANNE	109	62	156	7	1.24	.
STURGEON	96	64	127	11	1.09	.
VEGREVILLE	59	31	87	25	0.67	.
WETOKA	97	60	135	10	1.10	.
ALBERTA	88	83	93	.	.	.

ISCHEMIC HEART DISEASE, FEMALES, 1986



NUMBER OF DEATHS, 1986
FEMALES
CEREBROVASCULAR DISEASE

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	1	0	4	19	24
ALBERTA WEST CENTRAL	0	0	0	0	0	0	2	1	1	3	7
ATHABASCA	0	0	0	0	0	0	0	1	3	4	8
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	1	2	0	6	9
BIG COUNTRY	0	0	0	0	0	0	0	0	1	1	2
CALGARY	0	0	1	0	1	1	1	11	27	114	156
CHINOOK	0	0	0	0	0	0	0	0	3	15	18
DRUMHELLER	0	0	0	0	0	0	0	0	4	9	13
EDMONTON	0	0	0	2	0	3	3	7	11	90	116
FOOTHILLS	0	0	0	0	0	0	0	0	0	9	9
FORT MCMURRAY	0	0	0	0	0	0	0	0	1	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
LEDUC-STRATHCONA	0	1	0	0	1	2	1	1	4	8	18
LETHBRIDGE	0	0	0	0	0	1	0	3	2	22	28
MEDICINE HAT	0	0	0	0	0	0	1	2	3	10	16
MINBURN-VERMILION	0	0	0	0	0	0	1	0	3	13	17
MOUNT VIEW	0	0	0	0	0	0	0	2	2	13	17
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	7	7
PEACE RIVER	0	0	0	0	0	1	0	1	0	4	6
RED DEER	0	0	0	0	0	0	3	2	2	23	30
SOUTH PEACE	0	0	0	0	0	0	0	0	1	9	10
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	7	7
STURGEON	0	0	0	0	0	0	0	1	2	12	15
VEGREVILLE	0	0	0	0	0	0	0	1	2	9	12
WETOKA	0	0	0	0	0	1	0	0	1	7	9
ALBERTA	0	1	1	2	2	9	14	35	77	415	556

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

CEREBROVASCULAR DISEASE

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75 +
ALBERTA EAST CENTRAL	0	0	0	0	0	0	37	0	164	1052
ALBERTA WEST CENTRAL	0	0	0	0	0	0	130	94	157	735
ATHABASCA	0	0	0	0	0	0	0	100	412	840
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	55	115	0	724
BIG COUNTRY	0	0	0	0	0	0	0	0	245	289
CALGARY	0	0	2	0	1	2	3	49	182	1047
CHINOOK	0	0	0	0	0	0	0	0	191	1283
DRUMHELLER	0	0	0	0	0	0	0	0	332	1194
EDMONTON	0	0	0	4	0	8	11	30	70	805
FOOTHILLS	0	0	0	0	0	0	0	0	0	1203
FORT MCMURRAY	0	0	0	0	0	0	0	0	971	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1786
LEDUC-STRATHCONA	0	23	0	0	8	22	25	38	258	779
LETHBRIDGE	0	0	0	0	0	27	0	103	79	1159
MEDICINE HAT	0	0	0	0	0	0	30	56	114	567
MINBURN-VERMILION	0	0	0	0	0	0	60	0	226	1331
MOUNT VIEW	0	0	0	0	0	0	0	95	132	1512
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	821
PEACE RIVER	0	0	0	0	0	37	0	73	0	563
RED DEER	0	0	0	0	0	0	63	46	65	1094
SOUTH PEACE	0	0	0	0	0	0	0	0	92	1070
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	1001
STURGEON	0	0	0	0	0	0	0	37	105	874
VEGREVILLE	0	0	0	0	0	0	0	56	132	799
WETOKA	0	0	0	0	0	39	0	0	67	699
ALBERTA	0	1	1	1	1	5	13	39	124	941

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

CEREBROVASCULAR DISEASE

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	51	31	72	12	1.09	.
ALBERTA WEST CENTRAL	54	13	95	8	1.15	.
ATHABASCA	60	19	102	5	1.28	.
BANFF NATIONAL PARK	0	0	0	26	0.00	.
BARONS-EUREKA-WARNER	41	14	67	16	0.87	.
BIG COUNTRY	24	-9	57	25	0.51	.
CALGARY	54	45	62	9	1.15	.
CHINOOK	58	31	85	7	1.23	.
DRUMHELLER	62	28	96	4	1.32	.
EDMONTON	39	32	46	19	0.83	.
FOOTHILLS	45	16	74	14	0.96	.
FORT MCMURRAY	51	-49	151	13	1.09	.
HIGH LEVEL-FORT VERMILION	0	0	0	27	0.00	.
JASPER NATIONAL PARK	67	-64	197	2	1.43	.
LEDUC-STRATHCONA	54	28	80	10	1.15	.
LETHBRIDGE	59	37	81	6	1.26	.
MEDICINE HAT	34	17	51	22	0.72	.
MINBURN-VERMILION	67	35	99	3	1.43	.
MOUNT VIEW	70	37	104	1	1.49	.
NORTH EASTERN ALBERTA	31	8	53	24	0.66	.
PEACE RIVER	32	6	57	23	0.68	.
RED DEER	53	34	72	11	1.13	.
SOUTH PEACE	45	17	72	15	0.96	.
STONY PLAIN-LAC STE. ANNE	37	10	65	20	0.79	.
STURGEON	41	20	62	17	0.87	.
VEGREVILLE	41	18	64	18	0.87	.
WETOKA	35	12	58	21	0.74	.
ALBERTA	47	43	51	.	.	.

CEREBROVASCULAR DISEASE, FEMALES, 1986

NUMBER OF DEATHS, 1986

FEMALES

PNEUMONIA

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	6	6
ALBERTA WEST CENTRAL	0	0	0	0	0	0	1	0	0	4	5
ATHABASCA	0	0	0	0	0	0	0	0	0	3	3
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
BARONS-EUREKA-WARNER	0	0	0	0	1	0	0	1	0	0	2
BIG COUNTRY	0	0	0	0	0	0	0	0	0	2	2
CALGARY	0	0	0	1	0	1	0	2	4	33	41
CHINOOK	0	0	0	0	0	0	0	0	1	5	6
DRUMHELLER	0	0	0	0	0	0	1	0	1	4	6
EDMONTON	0	1	0	1	0	0	1	3	5	31	42
FOOTHILLS	0	0	0	0	0	0	0	0	0	5	5
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	1	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	1	0	0	2	3
LETHBRIDGE	0	0	0	1	0	0	0	0	0	12	13
MEDICINE HAT	0	0	0	0	0	1	1	0	1	3	6
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	1	1
MOUNT VIEW	0	0	0	0	0	1	0	0	2	3	6
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	3	3
PEACE RIVER	0	0	0	0	0	0	0	0	0	0	0
RED DEER	0	0	0	0	0	0	0	1	1	8	10
SOUTH PEACE	0	0	0	0	0	0	0	0	0	1	1
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	3	3
STURGEON	0	0	0	0	0	0	0	0	0	1	1
VEGREVILLE	0	0	0	0	0	0	0	0	0	3	3
WETOKA	0	0	0	0	0	0	0	0	2	9	11
ALBERTA	0	1	0	3	1	3	5	7	17	144	181

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

PNEUMONIA

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	332
ALBERTA WEST CENTRAL	0	0	0	0	0	0	65	0	0	980
ATHABASCA	0	0	0	0	0	0	0	0	0	630
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	1351
BARONS-EUREKA-WARNER	0	0	0	0	30	0	0	58	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	578
CALGARY	0	0	0	2	0	2	0	9	27	303
CHINOOK	0	0	0	0	0	0	0	0	64	428
DRUMHELLER	0	0	0	0	0	0	65	0	83	531
EDMONTON	0	6	0	2	0	0	4	13	32	277
FOOTHILLS	0	0	0	0	0	0	0	0	0	668
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	1786
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	25	0	0	195
LETHBRIDGE	0	0	0	20	0	0	0	0	0	632
MEDICINE HAT	0	0	0	0	0	20	30	0	38	170
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	102
MOUNT VIEW	0	0	0	0	0	22	0	0	132	349
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	352
PEACE RIVER	0	0	0	0	0	0	0	0	0	0
RED DEER	0	0	0	0	0	0	0	23	32	380
SOUTH PEACE	0	0	0	0	0	0	0	0	0	119
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	429
STURGEON	0	0	0	0	0	0	0	0	0	73
VEGREVILLE	0	0	0	0	0	0	0	0	0	266
WETOKA	0	0	0	0	0	0	0	0	135	898
ALBERTA	0	1	0	1	0	2	5	8	27	327

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

PNEUMONIA

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	12	2	22	18	0.80	.
ALBERTA WEST CENTRAL	42	5	80	3	2.80	.
ATHABASCA	23	-3	50	8	1.53	.
BANFF NATIONAL PARK	50	-48	149	2	3.33	.
BARONS-EUREKA-WARNER	11	-4	25	19	0.73	.
BIG COUNTRY	22	-8	51	10	1.47	.
CALGARY	14	10	18	14	0.93	.
CHINOOK	19	4	35	11	1.27	.
DRUMHELLER	30	6	54	5	2.00	.
EDMONTON	14	10	18	15	0.93	.
FOOTHILLS	25	3	47	7	1.67	.
FORT MCMURRAY	67	-64	197	1	4.47	.
HIGH LEVEL-FORT VERMILION	0	0	0	25	0.00	.
JASPER NATIONAL PARK	0	0	0	26	0.00	.
LEDUC-STRATHCONA	9	-1	20	21	0.60	.
LETHBRIDGE	27	12	42	6	1.80	.
MEDICINE HAT	14	3	25	16	0.93	.
MINBURN-VERMILION	4	-4	11	22	0.27	.
MOUNT VIEW	23	4	41	9	1.53	.
NORTH EASTERN ALBERTA	13	-2	28	17	0.87	.
PEACE RIVER	0	0	0	27	0.00	.
RED DEER	18	7	28	12	1.20	.
SOUTH PEACE	4	-4	13	23	0.27	.
STONY PLAIN-LAC STE. ANNE	16	-2	34	13	1.07	.
STURGEON	3	-3	8	24	0.20	.
VEGREVILLE	10	-1	21	20	0.67	.
WETOKA	41	17	65	4	2.73	YES
ALBERTA	15	13	18	.	.	.

PNEUMONIA, FEMALES, 1986

NUMBER OF DEATHS, 1986

FEMALES

CHRONIC OBSTRUCTIVE LUNG DISEASE

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	1	0	1
ALBERTA WEST CENTRAL	0	0	0	0	0	1	0	0	0	0	1
ATHABASCA	0	0	0	0	0	0	0	1	1	1	3
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	1	1
BIG COUNTRY	0	0	0	0	0	0	0	0	1	0	1
CALGARY	0	0	0	1	1	0	0	5	9	23	39
CHINOOK	0	0	0	0	0	0	0	0	3	1	4
DRUMHELLER	0	0	0	0	0	0	0	1	1	1	3
EDMONTON	0	0	0	0	0	0	1	9	14	16	40
FOOTHILLS	0	0	0	0	0	0	0	0	2	1	3
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	1	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	1	0	0	0	0	0	0	5	6
LETHBRIDGE	0	0	0	0	0	0	0	0	2	6	8
MEDICINE HAT	0	0	0	0	0	0	1	0	3	2	6
MINBURN-VERMILION	0	0	0	0	0	0	0	0	1	0	1
MOUNT VIEW	0	0	0	0	0	0	0	0	0	0	0
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	2	0	2
PEACE RIVER	0	0	0	0	0	0	0	0	0	0	0
RED DEER	0	0	1	0	0	0	0	0	1	4	6
SOUTH PEACE	0	0	0	0	0	0	0	1	1	1	3
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	1	1	2
STURGEON	0	0	0	0	0	0	0	2	1	1	4
VEGREVILLE	0	0	0	0	0	0	0	0	1	1	2
WETOKA	0	0	0	0	0	0	0	0	1	0	1
ALBERTA	0	0	2	1	1	1	2	19	46	66	138

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986
CHRONIC OBSTRUCTIVE LUNG DISEASE

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	41	0
ALBERTA WEST CENTRAL	0	0	0	0	0	37	0	0	0	0
ATHABASCA	0	0	0	0	0	0	0	100	137	210
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	121
BIG COUNTRY	0	0	0	0	0	0	0	0	245	0
CALGARY	0	0	0	2	1	0	0	22	61	211
CHINOOK	0	0	0	0	0	0	0	0	191	86
DRUMHELLER	0	0	0	0	0	0	0	60	83	133
EDMONTON	0	0	0	0	0	0	4	39	89	143
FOOTHILLS	0	0	0	0	0	0	0	0	181	134
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	1250
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	10	0	0	0	0	0	0	487
LETHBRIDGE	0	0	0	0	0	0	0	0	79	316
MEDICINE HAT	0	0	0	0	0	0	30	0	114	113
MINBURN-VERMILION	0	0	0	0	0	0	0	0	75	0
MOUNT VIEW	0	0	0	0	0	0	0	0	0	0
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	175	0
PEACE RIVER	0	0	0	0	0	0	0	0	0	0
RED DEER	0	0	12	0	0	0	0	0	32	190
SOUTH PEACE	0	0	0	0	0	0	0	56	92	119
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	91	143
STURGEON	0	0	0	0	0	0	0	74	53	73
VEGREVILLE	0	0	0	0	0	0	0	0	66	89
WETOKA	0	0	0	0	0	0	0	0	67	0
ALBERTA	0	0	1	0	0	1	2	21	74	150

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

CHRONIC OBSTRUCTIVE LUNG DISEASE

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	2	-2	6	22	0.17	.
ALBERTA WEST CENTRAL	5	-5	15	18	0.42	.
ATHABASCA	23	-3	48	2	1.92	.
BANFF NATIONAL PARK	0	0	0	23	0.00	.
BARONS-EUREKA-WARNER	4	-4	13	19	0.33	.
BIG COUNTRY	13	-12	38	7	1.08	.
CALGARY	13	9	18	8	1.08	.
CHINOOK	13	0	26	9	1.08	.
DRUMHELLER	14	-2	29	5	1.17	.
EDMONTON	13	9	17	10	1.08	.
FOOTHILLS	14	-2	31	6	1.17	.
FORT MCMURRAY	0	0	0	24	0.00	.
HIGH LEVEL-FORT VERMILION	47	-45	138	1	3.92	.
JASPER NATIONAL PARK	0	0	0	25	0.00	.
LEDUC-STRATHCONA	20	3	36	3	1.67	.
LETHBRIDGE	16	5	27	4	1.33	.
MEDICINE HAT	13	3	23	11	1.08	.
MINBURN-VERMILION	4	-4	12	20	0.33	.
MOUNT VIEW	0	0	0	26	0.00	.
NORTH EASTERN ALBERTA	9	-4	22	16	0.75	.
PEACE RIVER	0	0	0	27	0.00	.
RED DEER	10	2	19	14	0.83	.
SOUTH PEACE	13	-2	29	12	1.08	.
STONY PLAIN-LAC STE. ANNE	10	-4	24	15	0.83	.
STURGEON	11	0	22	13	0.92	.
VEGREVILLE	7	-3	16	17	0.58	.
WETOKA	4	-3	10	21	0.33	.
ALBERTA	12	10	14	.	.	.

CHRONIC OBSTRUCTIVE LUNG DISEASE, FEMALES, 1986

NUMBER OF DEATHS, 1986
FEMALES
LIVER CIRRHOSIS

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75 +	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	1	0	0	1	2
ALBERTA WEST CENTRAL	0	0	0	0	0	1	0	1	0	0	2
ATHABASCA	0	0	0	0	0	1	0	0	0	0	1
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	0	2	3	5	6	1	17
CHINOOK	0	0	0	0	1	0	0	0	0	0	1
DRUMHELLER	0	0	0	0	0	0	0	0	0	0	0
EDMONTON	0	0	0	0	0	0	2	4	1	1	8
FOOTHILLS	0	0	0	0	0	1	0	0	0	0	1
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	1	1	0	0	0	2
LETHBRIDGE	0	0	0	0	0	0	0	0	0	0	0
MEDICINE HAT	0	0	0	0	0	1	0	0	1	0	2
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	0	0	0	0	0	0	1	0	0	0	1
NORTH EASTERN ALBERTA	0	0	0	0	1	1	0	0	0	0	2
PEACE RIVER	0	0	0	0	0	1	0	0	0	1	2
RED DEER	0	0	0	0	0	0	1	0	0	1	2
SOUTH PEACE	0	0	0	0	0	0	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	0	0
STURGEON	0	0	0	0	0	0	0	0	0	0	0
VEGREVILLE	0	0	0	0	0	0	0	1	1	0	2
WETOKA	0	0	0	0	0	0	0	0	0	0	0
ALBERTA	0	0	0	0	2	9	9	11	9	5	45

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

LIVER CIRRHOSIS

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	37	0	0	55
ALBERTA WEST CENTRAL	0	0	0	0	0	37	0	94	0	0
ATHABASCA	0	0	0	0	0	55	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	0	4	10	22	40	9
CHINOOK	0	0	0	0	30	0	0	0	0	0
DRUMHELLER	0	0	0	0	0	0	0	0	0	0
EDMONTON	0	0	0	0	0	0	7	17	6	9
FOOTHILLS	0	0	0	0	0	41	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	11	25	0	0	0
LETHBRIDGE	0	0	0	0	0	0	0	0	0	0
MEDICINE HAT	0	0	0	0	0	20	0	0	38	0
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	0	0	0	0	0	0	36	0	0	0
NORTH EASTERN ALBERTA	0	0	0	0	27	33	0	0	0	0
PEACE RIVER	0	0	0	0	0	37	0	0	0	141
RED DEER	0	0	0	0	0	0	21	0	0	48
SOUTH PEACE	0	0	0	0	0	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	0	0
STURGEON	0	0	0	0	0	0	0	0	0	0
VEGREVILLE	0	0	0	0	0	0	0	56	66	0
WETOKA	0	0	0	0	0	0	0	0	0	0
ALBERTA	0	0	0	0	1	5	9	12	14	11

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

LIVER CIRRHOSIS

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	5	-2	13	9	1.25	.
ALBERTA WEST CENTRAL	12	-5	29	1	3.00	.
ATHABASCA	8	-7	23	4	2.00	.
BANFF NATIONAL PARK	0	0	0	15	0.00	.
BARONS-EUREKA-WARNER	0	0	0	16	0.00	.
BIG COUNTRY	0	0	0	17	0.00	.
CALGARY	6	3	8	6	1.50	.
CHINOOK	6	-6	18	7	1.50	.
DRUMHELLER	0	0	0	18	0.00	.
EDMONTON	3	1	4	13	0.75	.
FOOTHILLS	6	-5	17	8	1.50	.
FORT MCMURRAY	0	0	0	19	0.00	.
HIGH LEVEL-FORT VERMILION	0	0	0	20	0.00	.
JASPER NATIONAL PARK	0	0	0	21	0.00	.
LEDUC-STRATHCONA	4	-2	9	11	1.00	.
LETHBRIDGE	0	0	0	22	0.00	.
MEDICINE HAT	5	-2	12	10	1.25	.
MINBURN-VERMILION	0	0	0	23	0.00	.
MOUNT VIEW	3	-3	9	14	0.75	.
NORTH EASTERN ALBERTA	10	-4	24	2	2.50	.
PEACE RIVER	10	-4	25	3	2.50	.
RED DEER	4	-1	9	12	1.00	.
SOUTH PEACE	0	0	0	24	0.00	.
STONY PLAIN-LAC STE. ANNE	0	0	0	25	0.00	.
STURGEON	0	0	0	26	0.00	.
VEGREVILLE	8	-3	18	5	2.00	.
WETOKA	0	0	0	27	0.00	.
ALBERTA	4	3	5	.	.	.

LIVER CIRRHOSIS, FEMALES, 1986

NUMBER OF DEATHS, 1986
FEMALES
CONGENITAL ANOMALY

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	0	0
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	0	0
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	1	0	0	0	1
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	11	0	0	0	0	0	0	0	0	1	12
CHINOOK	2	0	0	0	0	0	0	0	0	0	2
DRUMHELLER	0	0	0	0	0	0	0	0	1	0	1
EDMONTON	10	4	0	0	0	0	1	0	0	0	15
FOOTHILLS	0	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	3	0	1	0	0	0	0	0	0	0	4
LETHBRIDGE	1	0	0	0	0	0	0	0	0	0	1
MEDICINE HAT	1	0	0	0	0	0	0	0	0	0	1
MINBURN-VERMILION	0	1	0	0	0	0	0	0	0	0	1
MOUNT VIEW	1	1	0	0	0	0	0	0	0	0	2
NORTH EASTERN ALBERTA	1	0	1	0	0	0	0	0	0	0	2
PEACE RIVER	1	0	0	0	0	0	0	0	0	0	1
RED DEER	4	0	0	0	0	0	0	0	0	0	4
SOUTH PEACE	1	0	0	0	0	0	0	0	0	0	1
STONY PLAIN-LAC STE. ANNE	3	0	0	0	0	0	0	0	0	0	3
STURGEON	2	0	1	0	0	0	1	0	0	0	4
VEGREVILLE	0	0	1	0	0	0	0	0	0	0	1
WETOKA	0	0	0	0	0	0	0	0	0	0	0
ALBERTA	41	6	4	0	0	0	3	0	1	1	56

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

CONGENITAL ANOMALY

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	0
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	0
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	55	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	215	0	0	0	0	0	0	0	0	9
CHINOOK	459	0	0	0	0	0	0	0	0	0
DRUMHELLER	0	0	0	0	0	0	0	0	83	0
EDMONTON	218	24	0	0	0	0	4	0	0	0
FOOTHILLS	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	317	0	10	0	0	0	0	0	0	0
LETHBRIDGE	216	0	0	0	0	0	0	0	0	0
MEDICINE HAT	136	0	0	0	0	0	0	0	0	0
MINBURN-VERMILION	0	77	0	0	0	0	0	0	0	0
MOUNT VIEW	155	42	0	0	0	0	0	0	0	0
NORTH EASTERN ALBERTA	224	0	24	0	0	0	0	0	0	0
PEACE RIVER	262	0	0	0	0	0	0	0	0	0
RED DEER	380	0	0	0	0	0	0	0	0	0
SOUTH PEACE	162	0	0	0	0	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	450	0	0	0	0	0	0	0	0	0
STURGEON	224	0	12	0	0	0	26	0	0	0
VEGREVILLE	0	0	43	0	0	0	0	0	0	0
WETOKA	0	0	0	0	0	0	0	0	0	0
ALBERTA	196	7	2	0	0	0	3	0	2	2

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

CONGENITAL ANOMALY

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	0	0	0	18	0.0	.
ALBERTA WEST CENTRAL	0	0	0	19	0.0	.
ATHABASCA	0	0	0	20	0.0	.
BANFF NATIONAL PARK	0	0	0	21	0.0	.
BARONS-EUREKA-WARNER	5	-5	15	10	1.0	.
BIG COUNTRY	0	0	0	22	0.0	.
CALGARY	4	2	6	13	0.8	.
CHINOOK	8	-3	19	1	1.6	.
DRUMHELLER	4	-4	13	14	0.8	.
EDMONTON	6	3	9	7	1.2	.
FOOTHILLS	0	0	0	23	0.0	.
FORT MCMURRAY	0	0	0	24	0.0	.
HIGH LEVEL-FORT VERMILION	0	0	0	25	0.0	.
JASPER NATIONAL PARK	0	0	0	26	0.0	.
LEDUC-STRATHCONA	7	0	14	4	1.4	.
LETHBRIDGE	4	-4	11	15	0.8	.
MEDICINE HAT	2	-2	7	17	0.4	.
MINBURN-VERMILION	5	-5	15	11	1.0	.
MOUNT VIEW	6	-2	13	8	1.2	.
NORTH EASTERN ALBERTA	7	-3	18	5	1.4	.
PEACE RIVER	5	-4	14	12	1.0	.
RED DEER	7	0	13	6	1.4	.
SOUTH PEACE	3	-3	8	16	0.6	.
STONY PLAIN-LAC STE. ANNE	8	-1	17	2	1.6	.
STURGEON	8	0	16	3	1.6	.
VEGREVILLE	6	-6	19	9	1.2	.
WETOKA	0	0	0	27	0.0	.
ALBERTA	5	3	6	.	.	.

CONGENITAL ANOMALY, FEMALES, 1986

NUMBER OF DEATHS, 1986
FEMALES
MOTOR VEHICLE ACCIDENTS

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75 +	TOTAL
ALBERTA EAST CENTRAL	0	1	0	1	0	0	1	2	0	0	5
ALBERTA WEST CENTRAL	0	1	0	1	2	0	0	0	0	1	5
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	1	3	0	0	0	1	0	5
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	1	0	2	10	4	4	1	2	2	3	29
CHINOOK	0	0	0	2	1	1	0	0	0	0	4
DRUMHELLER	0	0	1	0	0	0	0	0	0	0	1
EDMONTON	0	0	0	5	7	2	1	2	1	0	18
FOOTHILLS	0	0	0	0	0	0	1	0	1	1	3
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	1	0	0	0	1	0	0	2
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	1	0	1	0	0	0	0	0	0	0	2
LETHBRIDGE	0	0	1	1	0	1	0	0	0	2	5
MEDICINE HAT	0	0	0	3	0	1	0	0	0	1	5
MINBURN-VERMILION	0	1	0	2	0	0	0	1	0	0	4
MOUNT VIEW	0	0	0	0	0	1	2	0	0	1	4
NORTH EASTERN ALBERTA	0	0	0	2	0	0	0	0	0	0	2
PEACE RIVER	0	0	0	0	0	0	1	1	0	0	2
RED DEER	0	0	3	3	3	0	0	1	1	0	11
SOUTH PEACE	0	1	0	1	1	1	2	0	0	0	6
STONY PLAIN-LAC STE. ANNE	0	1	0	1	1	0	1	2	1	0	7
STURGEON	0	0	0	4	0	3	1	0	0	0	8
VEGREVILLE	0	0	0	0	0	0	1	2	0	0	3
WETOKA	0	0	0	1	1	0	0	0	0	0	2
ALBERTA	2	5	8	39	23	14	12	14	7	9	133

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

MOTOR VEHICLE ACCIDENTS

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75 +
ALBERTA EAST CENTRAL	0	53	0	25	0	0	37	67	0	0
ALBERTA WEST CENTRAL	0	62	0	30	51	0	0	0	0	245
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	34	91	0	0	0	81	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	20	0	5	17	6	9	3	9	13	28
CHINOOK	0	0	0	64	30	39	0	0	0	0
DRUMHELLER	0	0	36	0	0	0	0	0	0	0
EDMONTON	0	0	0	9	12	5	4	9	6	0
FOOTHILLS	0	0	0	0	0	0	66	0	90	134
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	96	0	0	0	467	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	106	0	10	0	0	0	0	0	0	0
LETHBRIDGE	0	0	26	20	0	27	0	0	0	105
MEDICINE HAT	0	0	0	48	0	20	0	0	0	57
MINBURN-VERMILION	0	77	0	70	0	0	0	61	0	0
MOUNT VIEW	0	0	0	0	0	22	71	0	0	116
NORTH EASTERN ALBERTA	0	0	0	56	0	0	0	0	0	0
PEACE RIVER	0	0	0	0	0	0	57	73	0	0
RED DEER	0	0	35	30	27	0	0	23	32	0
SOUTH PEACE	0	39	0	19	17	26	88	0	0	0
STONY PLAIN-LAC STE. ANNE	0	36	0	22	14	0	42	110	91	0
STURGEON	0	0	0	62	0	40	26	0	0	0
VEGREVILLE	0	0	0	0	0	0	66	112	0	0
WETOKA	0	0	0	35	30	0	0	0	0	0
ALBERTA	10	6	5	19	10	9	11	16	11	20

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

MOTOR VEHICLE ACCIDENTS

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	16	2	31	10	1.45	.
ALBERTA WEST CENTRAL	29	2	55	2	2.64	.
ATHABASCA	0	0	0	23	0.00	.
BANFF NATIONAL PARK	0	0	0	24	0.00	.
BARONS-EUREKA-WARNER	29	3	54	3	2.64	.
BIG COUNTRY	0	0	0	25	0.00	.
CALGARY	9	6	12	19	0.82	.
CHINOOK	22	0	44	5	2.00	.
DRUMHELLER	5	-5	16	21	0.45	.
EDMONTON	6	3	9	20	0.55	.
FOOTHILLS	16	-2	33	11	1.45	.
FORT MCMURRAY	0	0	0	26	0.00	.
HIGH LEVEL-FORT VERMILION	51	-24	127	1	4.64	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	3	-1	8	22	0.27	.
LETHBRIDGE	15	1	29	12	1.36	.
MEDICINE HAT	13	2	25	15	1.18	.
MINBURN-VERMILION	22	0	43	6	2.00	.
MOUNT VIEW	14	0	27	13	1.27	.
NORTH EASTERN ALBERTA	10	-4	23	18	0.91	.
PEACE RIVER	11	-4	25	17	1.00	.
RED DEER	19	8	31	8	1.73	.
SOUTH PEACE	21	4	38	7	1.91	.
STONY PLAIN-LAC STE. ANNE	26	6	45	4	2.36	.
STURGEON	18	5	31	9	1.64	.
VEGREVILLE	14	-2	31	14	1.27	.
WETOKA	12	-5	29	16	1.09	.
ALBERTA	11	9	13	.	.	.

MOTOR VEHICLE ACCIDENTS, FEMALES, 1986

NUMBER OF DEATHS, 1986
FEMALES
SUICIDE

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	1	0	0	1	2
ALBERTA WEST CENTRAL	0	0	0	0	0	1	0	0	0	0	1
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	1	0	0	0	0	0	0	1
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	1	8	3	2	3	0	0	17
CHINOOK	0	0	0	0	1	0	0	0	0	0	1
DRUMHELLER	0	0	0	0	1	0	0	0	0	0	1
EDMONTON	0	0	1	7	4	2	1	1	2	1	19
FOOTHILLS	0	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	1	0	1
LEDUC-STRATHCONA	0	0	0	0	0	1	0	0	0	0	1
LETHBRIDGE	0	0	0	0	2	1	0	0	0	0	3
MEDICINE HAT	0	0	0	0	0	1	0	0	0	0	1
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	0	0	0	1	0	0	1	0	0	0	2
NORTH EASTERN ALBERTA	0	0	0	1	1	0	0	0	0	1	3
PEACE RIVER	0	0	0	0	0	0	0	1	0	0	1
RED DEER	0	0	0	0	0	2	1	0	1	0	4
SOUTH PEACE	0	0	0	0	0	0	0	1	0	0	1
STONY PLAIN-LAC STE. ANNE	0	0	0	1	1	1	0	0	0	0	3
STURGEON	0	0	0	0	0	0	0	0	0	0	0
VEGREVILLE	0	0	0	0	0	0	0	0	0	0	0
WETOKA	0	0	0	1	0	0	0	0	0	0	1
ALBERTA	0	0	1	13	18	12	6	6	4	3	63

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

SUICIDE

# UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	37	0	0	55
ALBERTA WEST CENTRAL	0	0	0	0	0	37	0	0	0	0
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	145	0	0	0	0	0	0
BARRHS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	2	11	7	7	13	0	0
CHINOOK	0	0	0	0	30	0	0	0	0	0
DRUMHELLER	0	0	0	0	34	0	0	0	0	0
EDMONTON	0	0	3	13	7	5	4	4	13	9
FOOTHILLS	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	1235	0
LEDUC-STRATHCONA	0	0	0	0	0	11	0	0	0	0
LETHBRIDGE	0	0	0	0	38	27	0	0	0	0
MEDICINE HAT	0	0	0	0	0	20	0	0	0	0
MINBURN-VERMILION	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	0	0	0	22	0	0	36	0	0	0
NORTH EASTERN ALBERTA	0	0	0	28	27	0	0	0	0	117
PEACE RIVER	0	0	0	0	0	0	0	73	0	0
RED DEER	0	0	0	0	0	26	21	0	32	0
SOUTH PEACE	0	0	0	0	0	0	0	56	0	0
STONY PLAIN-LAC STE. ANNE	0	0	0	22	14	21	0	0	0	0
STURGEON	0	0	0	0	0	0	0	0	0	0
VEGREVILLE	0	0	0	0	0	0	0	0	0	0
WETOKA	0	0	0	35	0	0	0	0	0	0
ALBERTA	0	0	1	6	7	7	6	7	6	7

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

SUICIDE

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	5	-2	13	12	1.0	.
ALBERTA WEST CENTRAL	5	-5	15	13	1.0	.
ATHABASCA	0	0	0	19	0.0	.
BANFF NATIONAL PARK	25	-24	73	2	5.0	.
BARONS-EUREKA-WARNER	0	0	0	20	0.0	.
BIG COUNTRY	0	0	0	21	0.0	.
CALGARY	5	3	8	14	1.0	.
CHINOOK	6	-6	18	9	1.2	.
DRUMHELLER	7	-7	21	6	1.4	.
EDMONTON	6	3	9	10	1.2	.
FOOTHILLS	0	0	0	22	0.0	.
FORT MCMURRAY	0	0	0	23	0.0	.
HIGH LEVEL-FORT VERMILION	0	0	0	24	0.0	.
JASPER NATIONAL PARK	65	-62	192	1	13.0	.
LEDUC-STRATHCONA	2	-1	5	18	0.4	.
LETHBRIDGE	11	-2	24	4	2.2	.
MEDICINE HAT	3	-3	8	17	0.6	.
MINBURN-VERMILION	0	0	0	25	0.0	.
MOUNT VIEW	7	-3	17	7	1.4	.
NORTH EASTERN ALBERTA	15	-2	31	3	3.0	.
PEACE RIVER	5	-5	16	15	1.0	.
RED DEER	7	0	14	8	1.4	.
SOUTH PEACE	4	-4	12	16	0.8	.
STONY PLAIN-LAC STE. ANNE	9	-1	20	5	1.8	.
STURGEON	0	0	0	26	0.0	.
VEGREVILLE	0	0	0	27	0.0	.
WETOKA	6	-6	18	11	1.2	.
ALBERTA	5	4	7	.	.	.

SUICIDE, FEMALES, 1986

NUMBER OF DEATHS, 1986
FEMALES
BREAST CANCER

H UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	1	0	0	3	3	2	9
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	2	2
ATHABASCA	0	0	0	0	0	0	0	3	0	0	3
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	2	1	2	0	5
BIG COUNTRY	0	0	0	0	0	0	0	0	1	0	1
CALGARY	0	0	0	0	1	6	19	24	17	15	82
CHINOOK	0	0	0	0	1	0	0	0	1	2	4
DRUMHELLER	0	0	0	0	0	1	1	1	1	1	5
EDMONTON	0	0	0	0	4	8	12	16	14	19	73
FOOTHILLS	0	0	0	0	0	0	0	0	1	1	2
FORT MCMURRAY	0	0	0	0	0	0	1	0	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	1	0	0	0	0	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	2	0	0	2
LEDUC-STRATHCONA	0	0	0	0	1	2	3	2	5	1	14
LETHBRIDGE	0	0	0	0	1	0	1	4	1	3	10
MEDICINE HAT	0	0	0	0	0	0	2	1	4	2	9
MINBURN-VERMILION	0	0	0	0	0	0	0	1	3	1	5
MOUNT VIEW	0	0	0	0	0	0	1	2	0	1	4
NORTH EASTERN ALBERTA	0	0	0	1	0	1	0	0	2	1	5
PEACE RIVER	0	0	0	0	0	1	1	0	2	1	5
RED DEER	0	0	0	0	1	0	1	2	2	3	9
SOUTH PEACE	0	0	0	0	0	0	2	2	2	2	8
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	1	3	4	1	9
STURGEON	0	0	0	0	1	0	2	3	2	0	8
VEGREVILLE	0	0	0	0	0	0	0	0	1	0	1
WETOKA	0	0	0	0	0	0	1	0	3	0	4
ALBERTA	0	0	0	1	11	20	50	70	71	58	281

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1986

BREAST CANCER

H UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	23	0	0	101	123	111
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	490
ATHABASCA	0	0	0	0	0	0	0	299	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	111	58	163	0
BIG COUNTRY	0	0	0	0	0	0	0	0	245	0
CALGARY	0	0	0	0	1	13	66	108	114	138
CHINOOK	0	0	0	0	30	0	0	0	64	171
DRUMHELLER	0	0	0	0	0	47	65	60	83	133
EDMONTON	0	0	0	0	7	21	44	69	89	170
FOOTHILLS	0	0	0	0	0	0	0	0	90	134
FORT MCMURRAY	0	0	0	0	0	0	132	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	148	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	1770	0	0
LEDUC-STRATHCONA	0	0	0	0	8	22	74	76	322	97
LETHBRIDGE	0	0	0	0	19	0	35	137	40	158
MEDICINE HAT	0	0	0	0	0	0	60	28	152	113
MINBURN-VERMILION	0	0	0	0	0	0	0	61	226	102
MOUNT VIEW	0	0	0	0	0	0	36	95	0	116
NORTH EASTERN ALBERTA	0	0	0	28	0	33	0	0	175	117
PEACE RIVER	0	0	0	0	0	37	57	0	205	141
RED DEER	0	0	0	0	9	0	21	46	65	143
SOUTH PEACE	0	0	0	0	0	0	88	112	184	238
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	42	165	365	143
STURGEON	0	0	0	0	10	0	51	111	105	0
VEGREVILLE	0	0	0	0	0	0	0	0	66	0
WETOKA	0	0	0	0	0	0	53	0	202	0
ALBERTA	0	0	0	0	5	12	47	79	114	132

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1986

BREAST CANCER

H UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	23	7	38	10	0.96	.
ALBERTA WEST CENTRAL	18	-7	44	18	0.75	.
ATHABASCA	22	-3	48	13	0.92	.
BANFF NATIONAL PARK	0	0	0	27	0.00	.
BARONS-EUREKA-WARNER	23	3	43	11	0.96	.
BIG COUNTRY	13	-12	38	23	0.54	.
CALGARY	27	21	33	5	1.13	.
CHINOOK	16	0	32	19	0.67	.
DRUMHELLER	26	3	49	6	1.08	.
EDMONTON	24	19	30	9	1.00	.
FOOTHILLS	10	-4	23	25	0.42	.
FORT MCMURRAY	12	-11	35	24	0.50	.
HIGH LEVEL-FORT VERMILION	21	-20	61	14	0.88	.
JASPER NATIONAL PARK	133	-51	318	1	5.54	.
LEDUC-STRATHCONA	38	17	58	3	1.58	.
LETHBRIDGE	25	9	41	8	1.04	.
MEDICINE HAT	20	7	33	15	0.83	.
MINBURN-VERMILION	20	2	38	16	0.83	.
MOUNT VIEW	15	0	29	21	0.63	.
NORTH EASTERN ALBERTA	23	3	43	12	0.96	.
PEACE RIVER	26	3	49	7	1.08	.
RED DEER	16	5	26	20	0.67	.
SOUTH PEACE	35	11	59	4	1.46	.
STONY PLAIN-LAC STE. ANNE	41	14	67	2	1.71	.
STURGEON	20	6	35	17	0.83	.
VEGREVILLE	3	-3	10	26	0.13	.
WETOKA	15	0	31	22	0.63	.
ALBERTA	24	21	27	.	.	.

BREAST CANCER, FEMALES, 1986

APPENDICES

APPENDIX A - METHOD OF POPULATION PROJECTION

In this appendix the method of health unit population projection used in the report is described. The statistics needed consist of: the 1981 health unit census enumerations, the 1986 Alberta enumeration, and the 1986 Alberta post-censal estimates. All of these statistics are available directly or indirectly (through Alberta Bureau of Statistics) from Statistics Canada.

The method of projection simply scales the 1981 population of each health unit, by age group and by sex, according to a factor which relates the 1981 population of Alberta to that of 1986.

For a given sex, let n_{ij} (81) equal the number of individuals in the i^{th} age group of the j^{th} health unit in 1981, and let N_i (81) equal the number of individuals in the i^{th} age group in Alberta as a whole in 1981. For Chapter 1 and 2 there are eight age groups, and for chapters 3 and 4 there are ten. The corresponding numbers for 1986 are n_{ij} (86) and N_i (86). The problem is to estimate n_{ij} (86) from n_{ij} (81), N_i (81) and N_i(86). Defined by:

$$f_i\ (81,86) = \frac{N_i\ (86)}{N_i\ (81)}$$

Then f_i (81,86) scales the 1981 Alberta population in the i^{th} age group to that of 1986 in the sense that f_i (81,86) N_i (81) = N_i (86). The project estimate of n_{ij} (86) is then defined by:

$$n_{ij}\ (86) = f_i\ (81, 86)\ n_{ij}\ (81).$$

Note that the same factor f_i (81, 86) is used for the i^{th} age grcup for all health units and so the assumption has been made that there has been a uniform rate of growth (or decline) common to all health units.

APPENDIX B - TECHNIQUES OF AGE STANDARDIZATION

In this section the standardization methods and statistical techniques used in the report are described. The discussion applies to both live birth rates and death rates of 1986. For concreteness the discussion will be phrased in terms of death rates.

As in Appendix A, let n_{ij} equal the number of individuals in the i^{th} age group of the j^{th} health unit (for a given sex and year) and let d_{ij} be the corresponding number of deaths (for a given cause). Summing n_{ij} and d_{ij} over the index j (that is, over all health units) results in the number of individuals and deaths in the i^{th} age group in Alberta as a whole, denoted by N_i and d_i, respectively. The total number of Albertans and the total number of deaths is obtained by summing N_i and d_i over the index i, and will be denoted by N and d, respectively.

The death rate for the i^{th} age group and j^{th} health unit is defined by:

$$r_{ij} = \frac{d_{ij}}{n_{ij}} ,$$

and the corresponding rate for Alberta defined by:

$$R_i = \frac{D_i}{N_i} .$$

The standard error of r_{ij} may be estimated[7] by:

$$SE(r_{ij}) = \frac{d_{ij}^{\frac{1}{2}}}{n_{ij}} ,$$

and a 95% confidence interval constructed from

$$r_{ij} \pm 1.96\ SE(r_{ij}) .$$

Formulas are similarly defined for R_i .

The age-standardized death rate for the j^{th} health unit, standardized to the Alberta population, is defined by:

$$sdr_j = \sum_i W_i\ r_{ij} ,$$

where

$$W_i = \frac{N_i}{N}$$

Consequently, sdr_j is a weighted average of age-specific death rates for the j^{th} health unit, where the weights W_i are determined by the Alberta age distribution.

The standard error of sdr_j is defined by:

$$SE(sdr_j) = (\sum_i [W_i\ SE(r_{ij})]^2)^{\frac{1}{2}} .$$

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7 Chiang, C.L. 1984. The Life Table and Its Applications. Malabar: Krieger.

Since age-standardization is according to the Alberta population, the age-standardized death rate for Alberta, given by:

$$SDR = \sum_i W_i R_i ,$$

simplifies to

$$SDR = \frac{D}{N} ,$$

which is usually referred to as the crude death rate. From an earlier formula,

$$SE(SDR) = \frac{D^{\frac{1}{2}}}{N} .$$

A test of the hypothesis that the standardized rate for the j^{th} health unit differs from the Alberta rate may be based on the Z - statistic:

$$Z = \frac{sdr_j - SDR}{(SE(sdr_j)^2 + SE(SDR)^2)^{\frac{1}{2}}}$$

For the (one-sided) hypothesis that sdr_j is greater than SDR, the test is significant (at the 5% level) if

$$Z \geq 1.64 .$$

ERRATA

Please note that the following tables, (E1 and E2) are adjusted figures for 1984 and 1985. These tables should replace tables 2.5 of 1984 and 1985 reports.

AGE SPECIFIC DISTRIBUTION OF INFANT DEATHS, 1985

HEALTH UNIT	INFANT DEATHS			PERCENTAGE DISTRIBUTION		
	Less than 7 days	7-27 days	28 days and over	Less than 7 days	7-27 days	28 days and over
Alberta East Central	2	0	2	50.0	0.0	50.0
Alberta West Central	3	0	1	75.0	0.0	25.0
Athabasca	3	0	9	25.0	0.0	75.0
Banff National Park	0	0	0	0.0	0.0	0.0
Barons-Eureka-Warner	3	0	1	75.0	0.0	25.0
Big Country	2	0	0	100.0	0.0	0.0
Calgary	49	10	23	59.8	12.2	28.0
Chinook	2	0	4	33.3	0.0	66.7
Drumheller	1	2	0	33.3	66.7	0.0
Edmonton	49	8	43	49.0	8.0	43.0
Foothills	1	1	0	50.0	50.0	0.0
Fort McMurray	4	0	3	57.1	0.0	42.9
High Level-Fort Vermilion	0	0	1	0.0	0.0	100.0
Jasper National Park	0	0	0	100.0	0.0	0.0
Leduc-Strathcona	3	2	3	37.5	25.0	37.5
Lethbridge	3	0	1	75.0	0.0	25.0
Medicine Hat	1	3	1	20.0	60.0	20.0
Minburn-Vermilion	2	1	1	50	25.0	25.0
Mount View	3	0	7	30.0	0.0	70.0
North Eastern Alberta	3	0	1	75.0	0.0	25.0
Peace River	4	1	6	36.4	9.0	54.6
Red Deer	7	2	8	41.2	11.8	47.0
South Peace/Grande Prairie	5	1	2	62.5	12.5	25.0
Stony Plain - Lac Ste. Anne	4	0	5	44.4	0.0	55.6
Sturgeon	4	2	8	28.6	14.3	57.1
Vegreville	0	0	1	0.0	0.0	100.0
Wetoka	0	0	3	0.0	0.0	100.0
Alberta	158	33	134	48.6	10.2	41.2

AGE SPECIFIC DISTRIBUTION OF INFANT DEATHS, 1984

HEALTH UNIT	INFANT DEATHS			PERCENTAGE DISTRIBUTION		
	Less than 7 days	7-27 days	28 days and over	Less than 7 days	7-27 days	28 days and over
Alberta East Central	5	1	1	71.4	14.3	14.3
Alberta West Central	4	1	2	57.1	14.3	28.6
Athabasca	3	0	3	50.0	0.0	50.0
Banff National Park	0	0	0	0.0	0.0	0.0
Barons-Eureka-Warner	5	0	2	71.4	0.0	28.6
Big Country	0	0	2	0.0	0.0	100.0
Calgary	44	14	38	45.8	14.6	39.6
Chinook	1	2	4	14.3	28.6	57.1
Drumheller	3	0	5	37.5	0.0	62.5
Edmonton	53	17	37	49.5	15.9	34.6
Foothills	1	2	2	20.0	40.0	40.0
Fort McMurray	3	1	3	42.9	14.3	42.8
High Level-Fort Vermilion	1	0	0	100.0	0.0	0.0
Jasper National Park	0	0	0	0.0	0.0	0.0
Leduc-Strathcona	8	4	7	42.1	21.1	36.8
Lethbridge	5	1	2	62.5	12.5	25.0
Medicine Hat	7	0	8	46.7	0.0	53.3
Minburn-Vermilion	3	2	2	42.8	28.6	28.6
Mount View	4	1	1	66.6	16.7	16.7
North Eastern Alberta	4	0	7	36.4	0.0	63.6
Peace River	4	1	3	50.0	12.5	37.5
Red Deer	14	1	12	51.9	3.7	44.4
South Peace/Grande Prairie	5	2	6	38.5	15.4	46.1
Stony Plain - Lac Ste. Anne	0	0	8	0.0	0.0	100.0
Sturgeon	3	3	5	27.3	27.3	45.4
Vegreville	3	0	0	100.0	0.0	0.0
Wetoka	0	2	7	0.0	22.2	77.8
Alberta	183	55	167	45.2	13.6	41.2